



Founded in 1947

QCWA Journal

VOLUME LI

Fall - 2002

NUMBER 3



Quarter Century Wireless Association
159 E. 16th Ave.
Eugene, OR 97401-4017

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Rules for the 46th Semi-Annual QCWA QSO Parties

QCWA cordially invites all to participate in the 2002 QSO parties. All licensed Radio Amateurs world wide are invited.

Time/Dates: Two parties will be held in 2002. The first one shall commence on **06 Apr 2002 at 1900 Hrs UTC** and the second one shall commence on **05 Oct 2002 at 1800 Hrs UTC**. Each will run for a **period of 24 Hours**. Both CW and Phone modes may be used.

Frequencies: The following 15 Bands may be used:-

1.8: 1.800 - 2.000	14.0: 14.000 - 14.150	28.3: 28.3 - 29.7
3.5: 3.500 - 3.750	14.2: 14.150 - 14.350	50: 50.0 - 54.0
3.9: 3.750 - 4.000	21.0: 21.000 - 21.200	144: 144.0 - 148.0
7.0: 7.000 - 7.150	21.2: 21.200 - 21.450	220: 220.0 - 225.0
7.2: 7.150 - 7.300	28.0: 28.000 - 28.300	UHF above 420 MHz

Any station may be contacted on any or all of the 15 bands for a maximum of 15 QSO's per station, with no more than one QSO per Band. Any station in your home QCWA chapter may be counted only once, for a maximum of one QSO per station. No contacts on WARC bands are permitted (10, 18 and 24 Mhz Bands). No Cross Band or Repeater Contacts are allowed.

Suggested Starting Frequencies:

CW: 1.910: 3.540: 7.035: 14.040: 21.050: 28.050

Phone: 1.910: 3.890: 7.244: 14.262: 21.365: 28.325

Calling (CW or Phone): CQ QCWA

Information Exchange: Fill Columns on the Log Form. For the "year" column, indicate the last 2 digits of the year the station operator was first licenced. If the contacted station does **not** belong to a QCWA chapter, show only the State, Province or Country of its location. The latter would apply to Non QCWA members as well as to QCWA members who are not affiliated with a local chapter. **Do Not mention the term "At Large" (AL) as was done several years ago, as this can be confused with AL for Alabama.** For Band info, simply indicate one of the above 15 Bands in the "band" column.

Scoring: Each Phone QSO is worth **one contact point**. Each CW QSO or other Digital Mode QSO such as RTTY, PSK31, MFSK etc. is worth **2 contact points** (show 2 points in the QSO Points Column on the Log). **A Multiplier of one point** is given for each QCWA Chapter worked and for each State, Province or Country reported from stations not belonging to a QCWA Chapter. A total of **only one** multiplier point will be given for each State, Province or Country. **A Multiplier of 3 points** will be given on each of the 15 Bands for working our Special Events Station **W2MM**. It is hoped to have this station active throughout the two parties. Stations within 50 miles (80 Kms) of W2MM, may work W2MM only once for a total multiplier of 3 points. For the year 2002, the station will operate in the vicinity of Chapter 45 Headquarters in Orlando FL, site of the 2002 Convention.

Sample logs and a summary sheet may be requested from QCWA Headquarters with an SASE.

Address is 159 East 16th Ave., Eugene OR 97401-4017.

Contacts with QCWA Memorial Station W2MM count as **THREE MULTIPLIERS** on each of the 15 bands. **Note:** W2MM will be operated by one of our local chapters. Members of that chapter, and non chapter Members within 50 miles (80 kms) will be permitted to work W2MM only once for a total of 3 Multiplier points.

Awards:

Certificates will be issued for the top 3 World Scores.

A certificate will be issued for the top score in each participating Country.

Summary Paragraph: In order to assist the log checker, please include, along with your logs, a Summary Paragraph as shown below.

<u>QSO's</u>		<u>Contact Points</u>
CW Contacts _____	x2	= _____
Phone Contacts _____	x1	= _____
Total Contact Points		= _____ (A)
Multipliers		= _____ (B)
Total Score = A x B		= _____

Send Logs to: WOHXL, Dick Newsome, 2924 North 48th Street, OMAHA NE 68104-3726, U.S.A.



JOURNAL

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QCWA National Nets

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Cover: Alvino Rey W6UK has contributed 80 years of his life to amateur radio and over 70 years delighting millions of people with his unique and magnificent musical styling.

Enjoy the excitement of Orlando and the Florida Space Coast

at the

QCWA Convention 2002



The convention, hosted by Citrus Chapter 45, is close to Disney, Universal, Sea World, NASA, Science Museum, Leu Gardens and many historical sites.

See the center pages for more information.

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THOSE WHO HAVE SERVED

Past Presidents

John DiBlasi, W2FX (SK)	1947 - 1964
Earl R. Thomas, W2MM (SK)	1965 - 1968
Clarence Seid, W2KW	1969 - 1971
Barry Goldwater, K7UGA (SK)	1972 - 1973
Frank A. Gunther, W2ALS (SK)	1974 - 1977
Harry S. Gartsman, W6ATC	1978 - 1981
Stuart Meyer, W2GHK (SK)	1982 - 1985
Leland Smith, W5KL	1986 - 1989
Harry Dannals, W2HD	1989 - 1994
Lew McCoy, W1ICP (SK)	1994 - 1996
John Kelleher, W4ZC (SK)	1996 - 1998
Gary R. Harrison, KØBC	1998 - 2002

Executive Secretary/General Manager

Ralph Barber, W2ZM (SK)	1955 - 1964
Gus Gironda, W2JE (SK)	1965 - 1973
Ethel Smith, K4LMB (SK)	1974 - 1976
Ted Heithecker, W5EJ (SK)	1976 - 1991

The QCWA Journal

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The Quarter Century Wireless Association

The Quarter Century Wireless Association, Inc. was founded December 5, 1947, as a noncommercial association of radio amateurs organized for the promotion of interest in Amateur Radio communication and experimentation, for the establishment and advancement of the radio art and of the public welfare.

QCWA is an incorporated association without capital stock chartered under the laws of the State of New York, and is a tax exempt 501(C)3 organization under the Internal Revenue Code of 1986.

Its affairs are governed by a President, Vice President, Secretary, Treasurer and a Board of Directors, whose voting members are elected every two years by the general membership.

In order to qualify for membership in QCWA one must have demonstrable proof of having been first licensed as an Amateur Radio operator at least 25 years prior to application for membership and must be currently licensed.

Membership inquiries and general correspondence should be addressed to the business office at 159 E. 16th Ave., Eugene, OR 97401-4017 USA. Telephone, 541-683-0987. Fax, 541-683-4181.

From the President

Croft Taylor, VE3CT



This is my first message to you as QCWA President. By the time you receive this Journal, elections will have taken place, and the new Officers and Directors will be working for you.

I would like to thank John Huntoon WIRW, and his nominating committee for searching for and recommending a very well qualified list of candidates with whom I am looking forward to working with during the next two years. I am delighted to report that several other key people have agreed to carry on in their respective non elected positions. These include General Manager Jim Walsh W7LVN, and his Office Manager Jan Hayter, Leland Smith W5KL, as Chairman of our Scholarship program, Wes Randles W4COW, as our Historian, and Blanche Randles W4GXZ, as the Journal Tape Coordinator.

Everyone is still talking about our very successful cruise convention of last fall. Its success was beyond everyone's expectations - to the extent that we are seriously considering another similar convention down stream. This year Al La Peter W2AS, and his Citrus Chapter convention committee have been working very hard to put together an exciting event for all. Although Al's lead time for this event was less than normal, I attended two of his planning meetings while in Florida last winter, and was impressed with the rapid progress his team was making. It promises to be enjoyable for all. Festivities will take place in Kissimmee FL - near Orlando, in close proximity to the Disney Land complex. The hotel is first rate, and at an unprecedented rate of \$59/day.

Your new Board of Directors will strive for an "open door" policy with our members, and encourage all to communicate with us to express any of your concerns. You may reach us through QCWA Headquarters either by letter or by mail to jwalsh@teleport.com. Alternatively, you may use the QCWA reflector, qcwa@qth.net, or to me personally at ve3ct@rac.ca. For those who are not connected to the internet, mail addresses for all Board members are shown in each quarterly Journal.

Looking forward to meeting many of you at the Convention in October.

The suggested QCWA calling frequencies

If you want to get on and chat with a fellow QCWA member, Chapter 63 in Oklahoma recommends the following frequencies:

CW - 3.535, 7.035, 10.115, 14.035, 18.100, 21.035, 24.925, 28.035

Phone - 3.855, 7.255, 14.255, 18.155, 21.355, 24.955, 28.355

**No nets, just a place to look for QCWA members. Spread the word around.
Also don't forget the regular nets!**

Eighty-Year Awards

Charles A Stay W4HE



L to r: Lew Bradley W3SWP, Past Pres of Chapter, Charles A Stay W4HE, Captain (retired) and John Johnston W3BE President of Chapter 91.

Charles A. "Chuck" Stay, W4HE, receives his "80 Years Since First Licensed" Award

1. Chuck got his start in Amateur Radio in 1920

All it took for 13-year-old Chuck Stay to get started was for a friend to show off the crystal set he had built from a galena detector and an oatmeal box. "I got excited right away, went home, and built myself one just like it!" His family was then living on an private estate in Locust Valley on Long Island, NY, where his father was the Superintendent.

Soon Chuck and friends were engaging in two-way spark communications using antennas of various kinds. "We didn't have anyone or any books to help us with the theory, so we just tried out things to see what worked, and we learned to send and copy the code. I built several antennas, including a cage antenna made from bicycle rims. We were supposed to be operating on 200 meters, but frankly I had no idea what frequency I was operating on, I was just operating. DX was making a contact with someone in Bridgeport, Connecticut."

"I built a 'single-circuit receiver' using an Audion tube as a detector. The tube's filament drew 1/4 of an ampere, so the storage battery would run down pretty fast. One time my dad, who was an English immigrant, and I were listening for a widely-advertised attempt to make a voice broadcast from England to the Americas, but my battery ran down first."

"Tubes were expensive in those days at \$5 apiece. Western Electric tubes were even more expensive. There was a row of radio stores in New York City that sold all the radio stuff, and half of it was faked. You never knew if a tube you bought there was going to work. They used to sell loading coils with the claim that the bigger it was, the better it worked."

"Later I got a bargain on a quarter-KW rotary spark transmitter, so I bought and used it with a heterodyne receiver using one tube, two variometers, and a loose coupler."

2. First Licensed as 2CQW in 1921

Chuck and a rich buddy decided to go into NYC to attend a convention of radio amateurs being held in a big hotel on 6th Ave. & 34th St. While they were wandering around looking at all the gear on display, they saw a table where the code test for licensing was being given. "So I sat down and copied the code being sent at 10 wpm. The message being sent was an SOS about a ship going down, including its last position in latitude and longitude, its current speed and heading, etc. Oh, and I had to draw a diagram of a transmitter and a receiver, but that was it." His license carried the signature of the Secretary of Commerce, Herbert Hoover, to make it official.

Eventually, an FCC inspector came out to Long Island and to close down all the illegal operators. Fortunately Chuck had become a licensed operator before then.

He attended Friend's Academy, a Quaker prep school in his hometown, and that's where he met his future wife. He noted that the school had excellent teachers, especially his math teacher and his chemistry teacher.

3. Earned his BSEE and a Navy Commission; Operated as W1BCQ

Chuck attended Lehigh University in Bethlehem, PA, and earned his BS in Electrical Engineering. He became engaged before graduation, so stuck around to learn French and Italian while his Italian-speaking fiancé finished her schooling. After graduation they were married, and he joined the Edison Company to work in the test department. After a year, he was transferred to the transmission and distribution department.

When World War II began, "A fellow worker told me that I could get a commission from the Navy by going down to the First Naval District headquarters and passing a few tests. I took my glasses off as I could still read an eye chart without them, went down there, passed the tests, and was accepted. The Navy gave me a commission as a Lieutenant, Junior Grade."

"The Navy first sent me to an indoctrination school in the Bronx and then selected me for training as an ordinance inspector. We trainees were taken on tours of weapons production and other facilities in NY and NJ, including West Point." Chuck spent a short time in training at the old Navy gun factory at 11th and M in D.C., and then he and two of his classmates were assigned to the Boston Navy Yard.

At the Boston Navy Yard, Chuck was assigned to the electronics shop. From there, he was sent to radar schools at Bell Labs and MIT, and soon he was put in charge of all radar installations on ships for the 3rd Naval District. These fire control radars added radar range and bearing measurements to the several other inputs used by the ship's gun director. The computer making the gun-aiming calculations was a mechanical monster fed with targeting data cranked in by eight sailors. Chuck found and implemented some unauthorized - but effective - ways to solve unexpected retrofitting problems and to complete these retrofits more quickly.

He and his wife were living in Winchester MA where his ham call was W1BCQ. There, he built a 10m beam that he first turned by hand. Later, he added a rotator purchased from Navy surplus. He first built a 5 watt transmitter, then added a succession of RF amplifiers that eventually got the power out to the antenna up to 300 watts. When he was re-assigned to Guam, the 10 meter beam and all his radio equipment was shipped along with their household goods.

4. Operated as KG6HW on Guam

"All the ships that crossed the Pacific seemed to stop at Guam. We had a 10-section floating drydock that could handle a battleship, plus another smaller drydock. Minesweepers operated out of there, and then as the US took over islands in the Pacific, supply ships joined the crowd."

Stay ran an electronics shop of 25 sailors who repaired Navy transmitters, receivers, radar equipment, teletype machines, etc. and made various installations. One such installation was an array of nine rhombic antennas that covered all points of the compass. They were connected to RCA-built diversity receivers in a listening post located at the center of the array. "We built the array, but I never got to see the station in operation because I didn't have high enough clearance."

Stay replaced his old ham equipment with a high-powered Signal Corps transmitter and one of those RCA-built diversity receivers, but his 10m beam remained the one he had shipped out from the states.

"In those days, 10 meters was wide open and you could work anyone, worldwide. I'd work the states in the morning and South America in the afternoon... the long way around, via Africa. Europe was typically open after dark. There was a gal in Chile who was on the air a lot and we all chatted with her. XZ2EM in Rangoon, Burma, was another one I worked many times, but I could never get a QSL card out of him. That's when I really got into DX."

5. Operated as W4MUJ in the Post-War Period

After the war, Captain Stay was sent to the Charleston shipyard as an electronics officer for a year. He was then assigned to communications to help write specifications for the next generation of Navy equipment; his focus was on reliability, environmental, and space requirements.

He and his wife moved into a home on Arlington Ridge Road half-way down the hill near 23rd St. and just west of National Airport (DCA). He showed up at the FCC office, located in one of those ubiquitous temporary frame buildings on the Mall, to take the exam for an Advance Class license and to apply for a 4-call. Because he went in uniform, a photographer took a picture of him taking the exam, presumably as a publicity photo.

"There was a Lieutenant Commander in charge of the Navy's station on Courthouse Road in Arlington. Radio traffic captured by the Navy's receiving site at Cheltenham, MD, was forwarded by wire to this station and then on to the Pentagon. He was an ex-enlisted man, and because I wasn't a Naval Academy graduate, we got along just fine [chuckles]. When I began building my next ham transmitter, he let me scrounge parts from his vast supply."

"I'd come home from the Pentagon around 5 p.m. and get on 20 meters where I could usually work someone in England. With my diversity receiver and an antenna up about 25 feet, I did pretty well. First station I worked was Bermuda and the last state I worked before earning WAS was Delaware."

6. Ethel Smith, K4LMB, worked for Chuck in Naval Intelligence

From 1958 to 1963, Chuck worked for Naval Intelligence as an advisor to the Commanding Officer for Scientific and Technical Intelligence. "We used to examine all the Soviet intelligence-gathering equipment we could lay our hands on, and

our source was usually the CIA. Our objective was to identify possible counter-measures."

"Ethel Smith applied for a job with us, I interviewed her, and she worked for me for three years. She was in a section that examined photos of Russian intelligence assets, such as fishing trawlers loaded with radar and communication gear. These folks gleaned what intelligence they could from what they saw in those photos. Ethel turned out to be very good at it."

Retired in 1963; Stays Active in Ham Radio as W4HE

Chuck retired as a Navy Captain in 1963, took the tests for the Extra Class license, and became W4HE. He soon joined the Alexandria Amateur Radio Club, which used to meet regularly at the Red Cross building in Alexandria, VA. There he met up again with Ethel Smith, K4LMB, and met her husband, John F. "Tex" DeBardleben, W4TE.

"Tex was much older than she and was a very good radio man. Ethel used to run the 10 meter net at night, and Tex would report on the net's activities to the club. On the message handling nets, Ethel would take the time to teach people how to handle message traffic properly. She did a good job."

Chuck became involved in Radio Amateur Civil Emergency Services (RACES), which was managed by the Department of Defense. His RACES group grew to be quite active, primarily because the Potomac would overflow its banks along the Alexandria docks every other year. One night when Alexandria's phones were knocked out, Chuck contacted another ham by radio who was able to call the local broadcast stations. These stations broadcast appeals for Alexandria's fire and rescue personnel to report for civil emergency duty. On another occasion, families had been evacuated to Brookville school, but there was no potable water available. Chuck contacted another ham via radio to ask the Coast Guard to truck water there.

As the local Emergency Coordinator (EC) for RACES and the Civil Defense Radio Operator for the City of Alexandria, Chuck carried a special pass that would give him access to areas otherwise inaccessible during emergencies. City officials and others were very cooperative in allowing him to set up stations and antennas in a school in Mt. Vernon, the Red Cross building, City Hall, and several other locations.

For several years, he was net control for the weekly RACES net on 75m. He also ran the VA "slow speed" CW net that operated every night between 6 and 7 p.m. on 80m. Traffic that needed to be forwarded cross-country was handed off to the "high speed" CW net that began at 7 p.m.

He enjoyed other social nets, such as the early morning "green turtles net" and "the old timer's net on 3903 that started at 1 p.m. on Fridays. Almost everyone on that net had been born before 1900, so I was a youngster."

He had a mobile 40 meter rig that sat on the floor on the passenger's side, leaving some room on each side for the passenger's feet. "My wife used to complain about that."

He still uses a 2m transceiver in his room on the 6th floor of the Goodwin House in Alexandria, VA, to chat with his buddies. It's connected to a J-pole antenna made out of copper tubing and mounted on the base of an old floor lamp.

75-Year Awards

Zeke Dorsey W3DHL



Bob Ross KA3AVB (left) presents 75-year plaque to long time friend, Zeke Dorsey W3DHL (on right). Photo by Brian Roberts K9VKY.

Zeke Dorsey W3DHL

Zeke Dorsey W3DHL, has seen a lot of things come and go in amateur radio. Born in Sewickley, Pennsylvania, in 1905, Zeke first got started in radio at the age of 16. Using a Ford spark coil (powered by home made glass jar batteries) and a galena detector crystal set receiver, Zeke and his pal, Jim Stewart were on the air signing ZD and JS respectively. Later in 1921, while a 16-year-old student at Duquesne University, Zeke decided to "upgrade" his operation. Not only did he step up to a 1 KW rotary spark transmitter and a regenerative receiver, but he also decided to get a license! The call sign 8DHL was issued in 1922 and Zeke's interest in amateur radio flourished along with radio's development in the 1920s and 30s.

A bright young lad, Zeke also developed. An interest in aviation and became a licensed pilot. During the early and dark days of World War II, Zeke enlisted in the Air Corps at the rather late age of 37. Because of his specialized knowledge in aviation and radio, Uncle Sam waived Zeke's basic training. Zeke was rather quickly shipped overseas to India where he was to setup and maintain radio navigation aids and homing devices within the China Burma India theatre of operations. As the war progressed in the Pacific, Zeke later served in the Pacific theatre setting up and servicing radio beacons for the Air Force long-range bombers.

After the war, Zeke wanted to get back to his amateur radio roots. Of course, over time his license had expired and so he had to take the amateur exams over again. His original call of W8DHL (later changed to W3DHL) had been reissued and he was no longer able to hold those calls. Some time later, though,

W3DHL became available again. With the help of the QCWA and a copy of a 1920's vintage amateur call book, Zeke was able to reclaim his old call of W3DHL, which he still holds.

Zeke is still quite active in ham radio and life in general. Although he's decided to quit flying, he still drives an automobile, cuts his own grass and maintains an electronic repair business. A lifetime member of the QCWA, Zeke prefers operating CW on the HF bands and keeps a weekly schedule on two meters with his long time friend Bob Ross KA3AVB. It was Bob Ross who presented Zeke with his award for 75 years of licensed amateur radio service. Zeke Dorsey is a true gentleman and represents a remarkable 75+ years of radio operation.

—by Brian Roberts K9VKY

VALE, O BEARDED OM Bob Denniston, WØDX/VP2VI SK

It's hard to accept lively Bob Denniston, VP2VI, as a Silent Key. He was a kid of only 83. We rattled our bugs at each other for sixty-odd years, more so on weekly skeds since his beloved Nell passed away not long ago. During ninety-minute sessions on 30 meters we solved all the world's problems and revisited our checkered wireless pasts.

Bob and I were among dozens of young hams who responded to an urgent plea from Washington in late 1941. The attack on Pearl Harbor triggered a sudden avalanche of military traffic at WAR, headquarters station of the War Department Net. We civilians pitched in to help Signal Corps regulars operate CW, sliptape, teleprinter and cable circuits around the clock. Bob, then W9NWX from Iowa, was one of our bon vivants. Somehow he managed to retain wheels and gasoline ration coupons while the rest of us wore out our shoes.

Too soon it was time for most of us to choose our uniformed branch of service and move on. I wound up as a radio sergeant in the Pacific while Bob, having formed a sentimental attachment to the lovely CW instructor and cryptographer he soon married, enlisted on the spot. We lost track of each other until war's end.

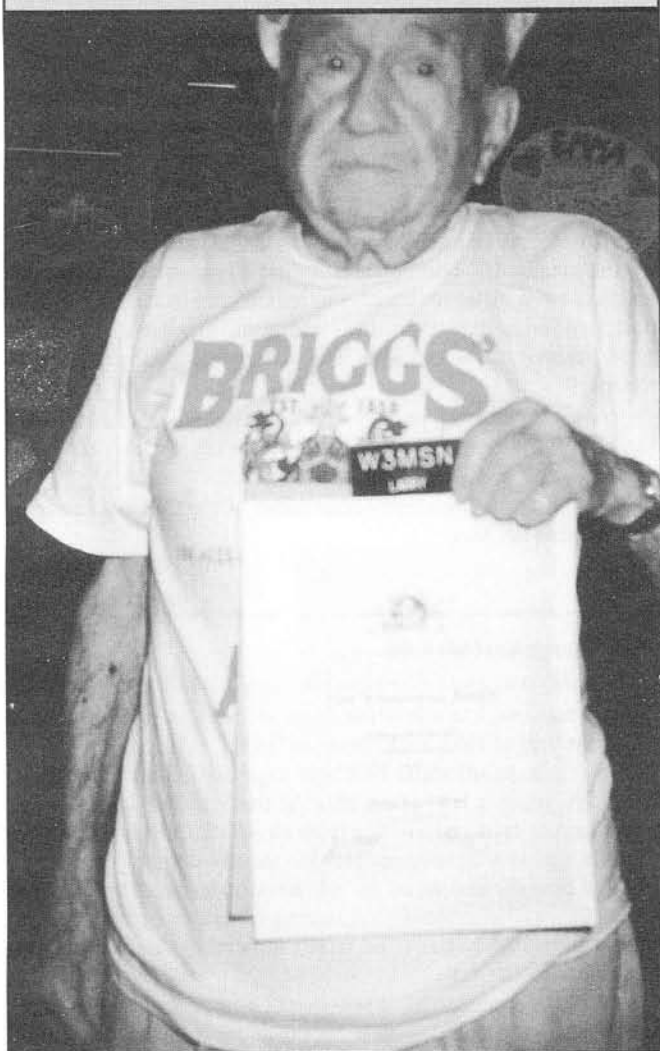
Thereafter our paths occasionally crossed while we resumed our ham radio enjoyment and served ARRL in various capacities. Bob's irresistible personality and capabilities carried him to the top, no surprise to those who knew him. His DXpeditions to the Bahamas, Clipperton and Malpelo whetted his appetite for island life, hence the Dennistons' early move to the British Virgin Islands.

Bob could have and should have turned out a volume or two of memoirs as a beachcomber in paradise. He regaled us with many a tale. Example: Tortola depends on rainfall for its water supply. A long dry spell had the plumbing running near empty at Smuggler's Cove, his beach bar and rental facility. A routine drive to town for replenishment encountered excessive delay. By the time he returned much later, a cluster of nervous guests clutching toilet tissue greeted him at the gate.

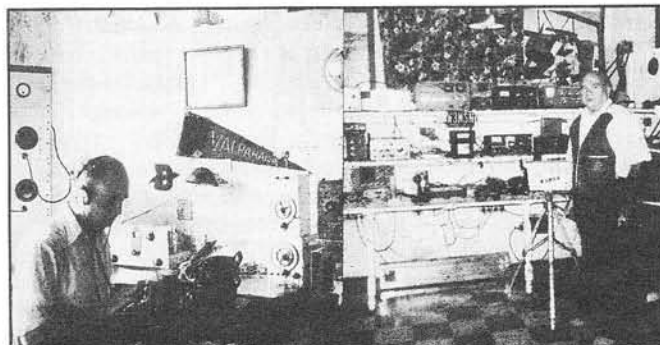
In retirement VP2VI expressed concern that the institution of amateur radio may be squandering its legacy. Are we fragmenting, as Bob wondered, into mere fad groups among a parade of unsustainable PC peripherals?

-Rod Newkirk, VA3ZBB-W9BRD

This Briggs' Up to 95-1/2 x 70



Larry Briggs W3MSN displays his 70-year certificate. Larry is 95-1/2 years young and is not affiliated with any chapter. Larry says, "don't drink much and no nights".



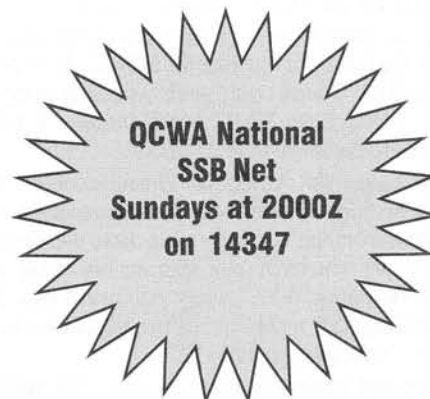
THEN

W 3 M S N

NOW



Bus Etheridge, K4IX, contacted Headquarters to make sure that an application submitted by his long time friend, Tom Jones, K4JM, was duly processed. Their friendship goes back to a time prior to WWII handling traffic. Later, they started the Virginia Net on 3680 KHz after the war.



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From DL9PR, Herman

The US American influence onto my ham career:

I have just received my QCWA 50 years license certificate I thank you very much. I saw Gerry's "Call for Papers" so I decided to send a little article about the US influence on my personal ham radio activity.

When WWII was over, I was 12 years old and had arrived in Bavaria after an 800 kilometer horse-driven escape run from Upper Silesia (now Poland). Radio material was rare and expensive in 1945, and I was happy about each electronic part that had survived from German and US American army surplus stock.

I started building little one or two stage receivers, transmitters, audio amplifiers, modulators, e.g. equipped with US glass or steel mantle tubes, like the 6V or 12V series. I later bought a BC-457 transmitter, BC-454 receiver, BC-348 rx and others which I adapted to the amateur bands.

Some years later there was the fascinating world of building kits from the Heathkit line like the HW-12, HW-20, SB-100, SB-10, SB-200 etc. Then I could peak my station with the Drake line C (R4C, T4XC, L4B, TR4C, MN2000, MN-4, FS-4, AC-4, DC-4). This held for more than 25 years!

I cannot forget the American Vibroplex and Elbugs CW keyers or the horizontal beam and vertical antennas of various kinds imported from the US. Of course there were many fellow German amateurs who built their stations out of German originated parts, including WWII army parts and rigs. However, with the intruding SSB technique it was easier to get a Heathkit rig starting with the famous HW-12.

The excellent quality of the American CW and SSB DX-station signals arriving at my shack near Munich always challenged my will to present good signals back to USA. Additionally, there was the friendly behavior of W's and K's versus German ham partners.

Then my elder friend Hans Schleifenbaum DL1YA, who together with some other OMs, initiated the German QCWA chapter and invited me to join. At first, I hesitated to enter the club because I thought it was too American styled. But, as in Germany, no other initiative existed to unite long licensed elder ham operators. I finally joined the QCWA in 1978 under my No. 12288, life membership.

In 1993 I joined OOTC, also an American based club. I can state that until the present day I do not know any other German club specialized in organizing old ham operators. There are a few local meetings of elderly hams at different locations in Germany.

Just for your information: I am presently operating at DP0EPO, the club station of the European Patent Office (EPO) Radio Club. This is a callsign due to the extraterritorial status of the EPO. Further info about DP0EPO and/or DL9PR you may find under www.grz.com.

Finally I wish to state that some articles in the QCWA Journal do not appear to realize that QCWA has allowed German ham operators to join QCWA. Many of the articles de-

scribe the hell of WWI and/or WWII where Germans are the enemy but one must keep in mind that many German citizens were forced into service by their political and military leaders. I seldom hear as many negative comments on German or Japanese troops on the HF bands as I repeatedly read in the QCWA Journal which, by the way, mostly has nothing to do with amateur radio activities.

I can understand the terrible experience of war, as expressed by elder hams. However, I do not believe that a German QCWA member will want to send an article to QCWA Journal presenting his experiences and troubles during war time in front of US military forces.

As for my personal experiences, as a child I happened to see the first US ground troops arriving at Eger in Northeast CSSR 1945. All of us children were thankful that we were not hit by the steady US bomber and hunter plane attacks. The US soldiers gave us white bread and chocolate since many of us had been living in near famine conditions. The general impression was that the scandalous war was ended thanks to the US troops.

America assisted us in founding a new state, in establishing a new radio amateur licensing law, and last but not least offered us access to amateur radio gear of all kinds.

And there is the steady friendship in the QSOs and especially inside QCWA.

73 de DL9PR, Herman

dl9pr@surfeu.de

From George Hart W1NJM

(This letter was received prior to the passing of John McKinney, W0AP)

He may not know it or not think so, but I've always been a great admirer of John McKinney, W0AP. I only recall meeting him once, at an informal FCC get-together I think in Crystal City, VA, quite a few years ago. At that time he complained about having received a notice from an ARRL Official Observer that his signal was substandard. He stoutly denied the allegation, of course, and stood on his position as head man at the Grand Island (NE) monitoring station. I told him he better clean up his signal. Most likely he won't remember that, but I got a big chuckle out of it.

With reference to his squib on page 53 of the current Journal ("Is Morse Dead") — yep, he's dead, as of many years ago, but the code he invented lived several decades after him. John probably knows this, but Morse's original code was not a code of sound but was intended for recording on an inked tape. The pen mechanism was activated by a relay. Soon after this system was in operation its operators began to notice that they could read the message without the tape recording just by listening to the clicking of the relay, and eventually the pen mechanism was discarded and replaced by a "sounder," the operator writing down the message from the clicks. Morse's code was not designed for intermittent sound but for telegraph, and only 14 of the characters were the same as those we are familiar with today — and all the numbers and punctuation were also different (I think). Morse's code received international recognition, but when wireless transmission came into vogue it was considered unsuitable, especially on continental Europe. So the Europeans developed a code that eliminated the "spaced" characters and called it the "Continental" code, and later the "International" code for wireless. Morse's origi-

nal code remained in use for telegraph lines and overseas cables but all the "wireless" stations started using the Continental version, even stateside and Canadian stations. Here in the states, and maybe elsewhere, we called it "International Morse Code" and the original Morse Code became "American Morse."

I never became familiar with American Morse, but once in a while I have heard it being used on CW.

All the above is hearsay and may not be entirely accurate. Some of the real old timers in QCWA or OOTC may be able to affirm or debunk it; or it might make a good subject for a Master of Science or Ph.D. dissertation. We call our code Morse as a fitting memorial to Sam, but it is quite a bit different from the code he devised in the mid-19th century.

As for CW (code) in general, I agree with John that it is not dead and will continue to exist for many years. I feel mighty uncomfortable about eliminating it from the amateur exams. (Five WPM is not a practical code speed.) Thousands of hams still use it, even if the armed services and Merchant Marine have discontinued it. The tradition will live on for many more years. The inherent simplicity of CW transmitting gear and its economy of spectrum space are its two major advantages, but there are many others — like the advantages of "stick shift" over automatic transmissions. We shouldn't be so quick to abandon the "old ways" and adopt new more complicated, more sophisticated technology. I suppose there is no way to stop the rapid advance of technology, but I often feel it is getting out of control. What will happen when "the machine stops"? A few nuclear detonations would do it.

73 Geo, WINJM

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**BLANCHE RANGLES, W4GXZ
(w4gxz4@juno.com)
44 Western LN., Amherst, MA 01002
PH: (413) 256-0179**

Jack Kelleher and Radio grew up in the Years before WW II

The following is a "reader's digest" version of a portion of a longer autobiography written by Jack Kelleher, W4ZC, for his children and grandchildren. For every vignette summarized here, there are several that had to be omitted for lack of space. Even at that, this piece could only cover the period prior to WWII.

Dick Rucker, KM4ML

When I was growing up in Red Bank, NJ, radio broadcasting was in its infancy. My mother and I got our first radio receiver in 1926 when I was 12. I began listening not only for entertainment, but also to identify and verify reception of as many stations as possible, the more distant the better.

A friend of my mother had a son, Edgar, who was also interested in radio. Edgar and I found out how to make Ford spark coil transmitters, and we had a ball sending slow, awkward code across town, inadvertently jamming many broadcast receivers in the process.

Ed knew a number of local hams, particularly Bob Johnson, W2AWL, whose father owned WJBI, a 100-watt, daytime-only broadcast station on 1210 kHz serving the area around Red Bank. Bob built a 75-meter amateur station in the WJBI building that he operated at night after WJBI went off the air.

I became serious about learning the code in 1931, and so I built a 3-tube receiver using 230 and 233 tubes with filaments that operated from dry batteries. A couple of commercial stations, one on either side of the 40-meter band, were good for copy practice: XDA in Mexico City at about 7400 kHz, and HPC in Panama City on 6997.5 kHz.

In February 1932, I took the General Class exam at the Federal Building in NY, 4 months before finishing high school. My first call was W2DSV. My first rig was a crystal-controlled oscillator using a pair of 210s, my first antenna was a 66 ft end-fed Zepp about 20 feet up, and my first contact was a station in Perth Amboy about 20 miles away.

Another ham friend was Harold "Church" Churchill, W2ZC, long since a Silent Key. Church's family was well-to-do, and he had an outstanding rig in a 'shack' that was formerly a servant's residence. The final in his rig used a pair of 861s and a tilting-arc mercury vapor rectifier.

Army Signal Corps, 1932 – 37

My mother and I had a friend at Fort Monmouth, a sergeant named James Devine, who was almost a father to me. Jimmie convinced us that my enlisting in the Army Signal Corps was a good idea: it would relieve my mother of the financial burden of supporting me, and it would give me a practical education in living and in radio.

When I signed up, the fellow behind me turned out to be a ham, too — Robert H. Scruggs, W4BFP, from Birmingham, AL. We soon collected another ham friend, Harvey Young, W8GHL, from Pennsylvania. Harvey, Bob, and I rented a room just off the post in Oceanport, NJ, in which to do our hamming, and I acquired a new call, W5FIP.

In February 1933, I was assigned to battalion radio school at Fort Monmouth, NJ. There, we mostly operated a low-power radio station (WTW) to develop our skills as CW operators. Practice traffic was exchanged with similar stations on Governors Island and in Washington DC. I progressed from 10 wpm to 30 wpm in a few months.

In June, I was assigned to station WVB serving the Headquarters for the 8th Corps Area at Fort Sam Houston. The operating room was in the quadrangle at Ft. Sam, the latter being a combined fortress and headquarters dating from shortly after the Civil War. The inner court-

yard included a small herd of half-tame deer and a few peacocks.

WVB had 6 operating positions. Our net included WAR, the headquarters station in Washington, DC, several stations within the 8th Corps Area, and a couple outside the area for air traffic control purposes: March Field, CA, and Barksdale Field, LA. The major circuit was the one to Washington, active about ten hours a day. The frequencies used were 13,125 kHz from WVB to WAR, and 12,060 or 12,075 kHz from WAR to WVB.

All War Department traffic was handled manually — sent with a Vibroplex, received by ear at speeds up to 40 wpm or more and typed out on a 'mill.' The mill was an Underwood Model 5 typewriter without a carriage shift since the all-cap characters were printed on a paper tape. Later, a keyboard machine with a perforated tape reader replaced the Vibroplex.

I discovered that each post, camp, and station in the Army had a quota of two students to the Signal Corps School. I took the exam and was one of the two successful candidates from Fort Sam Houston, so I moved back to Fort Monmouth in August 1934. There, I attended school 7 hours a day, 5 days a week, for 39 weeks. During Morse code training periods, skilled CW operators were put to work transcribing automatically inked intercept tapes of transmissions made by Japanese stations using Kata-Kana code.

In June 1936, I returned to Fort Sam Houston to become a transmitter attendant. The transmitter site had 90-foot telephone poles supporting a couple of rhombic antennas and several wire antennas, including a multi-wire flat-top for a 250 watt, medium frequency transmitter. There were also two 125-foot square, tapered towers to support a four-element lazy-H horizontal beam pointed towards Washington.

The 250 watt rig transmitted at frequencies below the AM broadcast band and was used for intrastate communications. The static at these frequencies was horrendous, necessitating use of a penetrating signal. A modulated (120 cycle) CW tone was chosen as the signal to be keyed and was produced using partially filtered power supplies. A 10 kW Westinghouse rig had a water-cooled amplifier and was the primary link with Washington, DC. The remaining transmitters were six 500-watt rig and a GE 1-kW rig.

During my stay at WVB, the receiving room was upgraded. Equipment racks were installed along two walls, a supervisory position in the center, and two operating positions along the south wall. The racks contained Hammarlund Pro receivers and homebuilt monitors for the outgoing signals. Eugene Berato and I built the monitors.

One Sunday we tuned up the 10 kW transmitter to the amateur 20 meter band and fed the lazy-H a few CQs. Boy, did we get responses! We got chicken after the first few QSOs and never tried that again.

In 1937, I was ordered back to Ft. Monmouth, promoted to corporal, and made an instructor. However, it had become obvious that Mother needed more financial support than I was able to provide on a military salary, so I took steps "buy out" before my enlistment was up.

RCA Communications, 1937 - 40

I found a much-better-paying job with RCA Communications in New York City working alternate day, evening, and night shifts. I commuted the 70 mile round trip from Red Bank each day.

The RCAC job was a window on the world as far as hot news was concerned. Radio was the principal means for foreign correspondents in the U.S., and for U.S. correspondents abroad, to file news reports, so we saw all the scoops. We were the first to know of the Hindenberg disaster at Lakehurst NJ in May 1937, and we saw the gradual cessation of communications with countries overrun at the start of World War II.

The German Blitzkrieg in 1939 generated a flood of messages and money transfers to eastern European relatives. This traffic became so voluminous that when propagation conditions permitted, several operators were punching tape simultaneously and these were sent at very high speed, on the order of 250 wpm. Finally, all communications with Poland were lost.

In 1940, the Communications Workers of America unionized RCAC and then went out on strike for more pay. I was told to man the picket lines, which I did. During our idle times, we were treated to performances by Ukrainian dancers and the like. The strike was settled, but management stated that, henceforth, there would be no merit raises as in the past. Employees would get only what the union won from management. I decided to look for employment elsewhere.

Living next to Fort Monmouth, one could see that activity there, especially at the Signal Corps Laboratories, was increasing as another world war was developing, so I found a job as a Radio Mechanic there. My initial assignment was with the Radio Maintenance & Test Section where we kept test equipment in specs and readied new tactical equipment for field-testing. At the time, the Signal Corps was developing new tactical equipment to replace older equipment, some which had been around since WWI.

From late 1940 until spring 1941, I was assigned to the Vehicular Radio Section which was kept busy overseeing the development of new VHF equipment designed for use in tactical vehicles and in tanks. It used the new frequency modulation (FM) technique invented in 1933 by E. H. Armstrong, and Major Armstrong was a frequent visitor to our facility. The upshot of this work was that War Department orders for VHF AM equipment were changed to call for FM instead.

I installed SCR-508s, which were VHF FM units designed for use in the Army's tanks, and tested them for range, signal capture, etc. Similar tests for the Field Artillery Board at Fort Bragg and the Infantry Board at Fort Benning were conducted. The sets were found acceptable and were used extensively in WWII.

Hamming it up in Red Bank, NJ, 1937 - 41

After moving back to Red Bank, W2DSV was back on the air with a master-oscillator, power-amplifier (MOPA) transmitter and a 3-tube, home-built, AC-powered receiver. My antennas were primarily Zepps, conveniently fed at the house end with home-made balanced feeders. For spacers, I bought wooden dowels and boiled them in paraffin.

One fun project was a variable frequency oscillator (VFO), followed by a buffer amplifier and frequency quadrupler, and powered by a voltage-regulated power supply. The VFO operated in a narrow part of the AM broadcast band so I could use broadcast stations as frequency-markers to calibrate it. The VFO's output, when multiplied, covered most of the CW segments at 80, 40, and 20 meters and always produced good signal reports.

In 1940, I bought my first manufactured receiver, a National NC-80X, and still later a Hammarlund HQ-120-X. By 1941, I had worked about 50 countries on all continents.

Next in the series:

Helping to Protect President Franklin Roosevelt

In the fall of 1941, the U.S. Secret Service asked the Chief Signal Officer to help them modernize presidential communications, and I was assigned to a White House Detail of the Secret Service to install VHF FM police-type mobiles and base stations. We were away more than we were at home — Washington, Poughkeepsie, Hyde Park, Warm Springs — almost anywhere the President went, we went too...

Gator Chapter bids Farewell to Wes and Blanche Randles W4COW and W4GXZ

After Wes' nearly 70 years and Blanche's 48 years of dedication to and leadership in the Amateur Radio community, the Randles have sold their home in Tampa and are permanently moving back to what had been their summer residence in Amherst MA. For the many years the Randles lived in the Tampa Bay area, they were active members in and officers of the Gator and Pelican Chapters of QCWA.

Wes was born in Kent, Ohio, in March 1917, moved to Florida in 1921, and settled in Gulfport. Blanche was born in December of 1917 in Battle Creek, Michigan, and moved to Florida in 1925. Both she and Wes attended and graduated from St. Petersburg High School, Wes in 1936, Blanche in 1937. They were married in the Turner Sunken Gardens in St. Petersburg in 1940. They have one daughter, Diane, who, at the time of this writing was 39 for approximately the eighteenth time.

In 1942, Wes left WSUN to work for WIOD in Miami and in 1943, he accepted a job with Ratheon as a Field Engineer where he worked until he retired in 1980 after nearly 38 years of service. Wes spent several of the intervening years installing and assuring the proper operation of the DEWLINE, our protective RADAR screen across northern Canada.

Wes became QCWA member 2440 shortly after the QCWA was organized in 1947. Blanche followed suit, when she became eligible, becoming member 12816. Both joined Gator Chapter 32 and held most of its offices several times over. Later, they also joined Pelican Chapter 128 in St. Petersburg and served in its offices as well. Soon, their energy and dedication were recognized by the National QCWA headquarters and Wes was asked to become its national Activities Manager. In 1980 he became national Treasurer. He served in this office from 1980 through 1990. Later, he was asked to serve as national QCWA Historian, an office he holds to this day.

Not to be outdone by her husband, Blanche also has major accomplishments to her credit. In 1979, Blanche, with spirited assistance from Ethyl Smith K4LMB (SK) and Onie Woodward W1ZEN (SK), organized the only nationwide QCWA chapter ever chartered by the national board of directors. It is, QCWW, Chapter 120, formally known as the Quarter Century Wireless Women but often referred to in jest, even by QCWA's President, as Quarter Century's Wild Women. "Oh yes," Blanche hastened to add when I interviewed her, "men can join too!" She said that that condition was imposed by the national organization as the only way to make the new chapter truly national in scope.

In 1986, the first year of Leland Smith's presidency, Blanche organized and continues to coordinate QCWA's national reading service for the blind whereby audio tapes of each QCWA Journal are recorded and mailed to sight-impaired members.

Because of their exemplary characters, we send special thanks and 73 to Wes and Blanche for lives well spent serving others and important jobs well done. Their talents, dedication, and energy have been an inspiration to all of us in the Tampa Bay area who now must try to follow their example.

Joe Swingle W9DGW - President, Gator Chapter 32



Left to Right, Art Kuntz W3WM - Director of QCWA; Wes Randles W4COW - QCWA Historian; Bart Bridge, W2ZYQ - Secretary, Gator Chapter; Blanche Randles W4GXZ - Coordinator, QCWA Tapes for the Blind; Joe Swingle - President, Gator Chapter; and Sterling Haskell - Vice President, Gator Chapter. (Photo courtesy of Art Kuntz W3MN)

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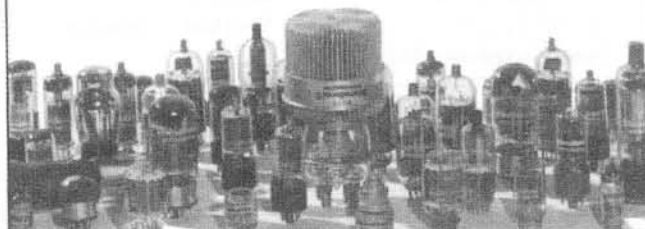
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Gen. Manager's Report

Jim Walsh, W7LVN

Greetings to everyone, and especially to the new Board of Directors who take office on September 1, 2002. The ballots have been counted and a new slate of Directors and Officers take their places for the next two years.

A Hot Line Report finally got completed and mailed this last month to the officers of the Chapters with some specific ideas for their operation and especially with regard to naming of files that are being sent to Headquarters for use in the Journal. Too many collisions have taken place in use of names for files and we have lost some files. Long names are fine, but they do not really describe things specifically.

Work has now begun on a new Directory of the members and it will again be published on the Home page at 'qcwa.org', as we have done in the past. This is a several week project and when it is done it is rather nice to set back and relax and enjoy it all. In spite of all the time spent in trying to proof read it all, some errors creep through. Each year it is a challenge to try for more accuracy than was achieved in the past. The Directory should be installed by the end of July.

Sometime back I asked all of you to take care of your afflictions, when you first discover them, and to not ignore the symptoms. Well, my good friend became a SK a month ago. All, because he chose to ignore some symptoms which were quite evident. Please, good people, don't do this to your friends or to yourself.

The following are the QCWA 2002 Election Results

(Entries are listed in descending order by votes)

Officers

2355 John Johnson	W3BE	Vice President
2348 Croft Taylor	VE3CT	President
2340 John Sproat	W4JS	Treasurer
2328 Charles E. Walbridge	K1IGD	Secretary

Directors

2044 Alan Pickering	KJ9N	Director
1979 George Roach	VE3BNO	Director
1942 Leonard M. Nathanson	W8RC	Director
1937 Arthur F. Kunst	W3WM	Director
1921 Harold Chase	W1EES	Director
1821 Daniel Copeland	NØDT	Director
1702 Bill McGrannahan	NØZL	Director
1656 Archibald C. Doty	W7ACD	Director
1604 Jerrel Jones	W5TUU	Director
1603 Ed Yoder	W3YMB	Director

Non-elected candidates

1349 Ray Minichello	W1BC
1314 Jay Hyman	W2CSS
1176 Ronald Kresge	W1ARS
1093 Harrison Moore	W2JQS

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NAME	HONORING
Chapter 91	W4ZC
Frank J O'Neill	W6CUB
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Jerome Mulberg	W4ZC
Alvin Reiner	W4ZC
Chapter 38	W5JC & W5FMC
Chapter 89	N4EE
Chapter 202	WA8SAK
Chapter 29	W2CVI
Chapter 126	WB4FOK
Chapter 12	W4COG
Giuliani Associates	W4ZC
Greg Milnes	
Chapter 53	N4RD
Chapter 51	W5KWA & W5HHB
Chapter 53	W8OZT
Gerald R Skinner	Daytona Beach AM Radio ASSN
Chapter 162	W6BDE & W6HVX

Robert E. Baird, W9NN, SK

The Journal received information just prior to printing that Bob Baird, W9NN, of Plover, Wisconsin, died peacefully in his sleep August 1. Baird was one of the longest-licensed amateurs in the US, having been a ham for more than eight decades. Mr. Baird was one of the founders of QCWA and a charter member. He recently received the 80-year award from the QCWA.

ENDOWMENT ADMINISTRATOR

Headquarters QCWA is looking for an individual to serve as an Endowment Administrator. Duties would involve writing letters and conferring with individuals who would be interested in participating in the program.

Please contact Croft Taylor, QCWA President or QCWA Headquarters.

HELP WANTED

Marketing and Public Relations Representative

The QCWA Journal needs a volunteer to do Public Relations, solicit advertising and generate advertising.

Ideally, the person for this would have some background in technical advertising with contacts and familiarity with companies that would be interested in advertising in the Journal.

**For more information
Contact:**

Gary Harrison KØBC
PO Box 467
Bolivar, MO 65613-0467
Telephone: 417-777-7777
FAX: 417-777-4783
E-mail: kØbc@ipa.net

QCWA HISTORICAL MATERIAL WANTED

It is important that we preserve any or all material pertaining to the history of the QCWA for posterity. If you have items to contribute to the historical record of the QCWA organization, please contact:

Historian Wesley Randles, W4COW
44 Western Lane
Amherst, MA 01002

e-mail: w4gxz4@juno.com



Digging up the Past

W.G. Schuchman, W7YS

As a Charter Member of the Potomac Valley Radio Club (1947), I have had the privilege of knowing some of the greats such as Vic Clark (W4KFC), Lennie Chertok (W4KXN), Bob Denniston (W9NWX) and others, (these were their calls when knew them). They were role models for the rest of us.

There were others as well throughout the world - KV4AA in the Virgins, XE1A, Juan Lobo y Lobo in Mexico, and of course Katashi Nose (KH6IJ) in Hawaii.

Katashi had the first Hawaiian DXCC-WAZ and WAS. He was a very active Ham. When I received my Extra Class License in 1972, I was assigned the call W7YS (the "Y" calls were originally assigned to schools and experimental stations). A few years later I did research on the original holder (Father Ruth of St. Martins College in Lacey, WA.), and through the efforts of local hams in that area, I was able to get a lot of photos of the original station and Fr. Ruth. But that is another story.

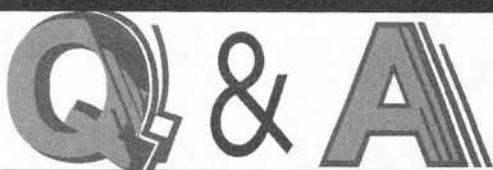
In March of 1974, I worked KH6IJ on 49M CW, and received a QSL card from Katashi which had typed on the back "I was surprised to hear W7YS on the air again until I realized that this was reissued. I used to work Father Sebastian Ruth a lot on 14 MHz before the war. My call used to be K6CGK. He must have been on the air since World War I continuously". As I found out, the call 7YS had been issued to Father Ruth in 1916 replacing his original call 7CM issued in 1914, so Katashi was right.

I thought it would be nice if I could obtain an original W7YS QSL card for my collection, and wrote a letter to Katashi asking if he had one that he would part with. Imagine my surprise when he sent me the following typed on one of his own cards:

"I don't have a card from W7YS. It was destroyed by my parents during the war at the time of Pearl Harbor and martial law when having radio transmitting and radio in general (for us at least - Japanese Americans) was like having human body parts on hand. I was away from home at the time. All my pre-war QSL cards were destroyed together with my transmitter and receiver. They were chopped up with an axe and dumped into the cesspool since my alien parents were so frightened and were afraid that they might be shot to death if the martial law authorities caught them with my transmitter parts."

I didn't give up on the search for an original QSL, and one year at the DX convention in Visalia, I met an OT by the name of Allen Robbins (W7AM), who recognized the call and said he might have an old W7YS card. A few days later, I received a QSL in the mail that confirmed a contact between Fr. Ruth and Allen (his call then was W7BGG) dated April 16, 1940 on 40cw.

It was an amazing coincidence because that is the same month and year that I received my first ham license (W9ACG) while I was attending college at Ft. Wayne, Ind.



The Rules Say...

John B. Johnston, W3BE, 17701 Bowie Mill Road, Derwood, MD 20855-1608

This column is devoted to answering QCWA members' questions about the current USA regulations for the amateur radio service. Part 97 of the FCC rules is contained in the document Title 47 — Telecommunications - Code of Federal Regulations Parts 80 to End. A copy may be purchased from the Government Printing Office or downloaded from http://www.access.gpo.gov/nara/cfr/waisidx_00/47cfr97_00.html. The current version is dated October, 2000. Questions, call signs and incidents mentioned herein are for explanatory purposes only.

Renewing a license grant

Q. My license is about to expire. How do I have it renewed? I haven't been able to find the information in Part 97.

A. The rules regarding licensing procedures for the various wireless telecommunications services, including our amateur service, have been collected together way over in Part 1, PRAC-TICE AND PROCEDURE, Subpart F. We are now all lumped together in the Universal Licensing System consolidated database. The detailed information that we need to renew our licenses, therefore, is no longer given in our amateur service rules, Part 97. It is in Section 1.913, Application forms, electronic and manual filing. It is a lot more complex than it was only a few years ago, but you now have several options as to the way you file your application for renewal of your license grant. Mercifully, we only have to renew every ten years. Hopefully, the following information will assist you in renewing.

There is a helpful information page on renewing your amateur service license grant at wireless.fcc.gov/services/amateur/licensing/renewal.html. Note that it advises that you may receive a license expiration notification from one or more of our volunteer-examiner coordinators. It may be accompanied with a solicitation to use its services to file with the FCC for your renewal application. You are not required to use this type of filing service. Strictly speaking, providing these services are not included in VECs' agreements with the FCC.

Quite frankly, however, it might be advisable for you to have one of our VEC process your application. They electronically file license applications routinely and know where most of the potholes are located. This would be my first choice and, apparently the choice of many other hams. Some of the VECs also offer their renewal assistance services through arrangements with still other entities. The W5YI-VEC, for example, offers a license update and renewal service at www.qrz.com. No part of any fee collected from you for helping you file your application for renewal goes the FCC. Some of it, if not all, goes to worthy activities that benefit us all. For instance, it helps fund our National Conference of VECs.

You may also renew your amateur operator/primary station license grant using the FCC's on-line Universal Licensing System ("ULS"), if you have at hand an Internet capability, your FCC Registration Number ("FRN"), your password and a lot of patience. I've heard mixed reviews on this. Some report that the process is a snap. Others have experienced problems. This would be my second choice.

Lastly, you may renew by postal mail using paper Form 605. Because of the current uncertainty of the delivery of mail to government agencies, it is probably not advisable to go that route at the present time.

Q. When should I file for renewal?

A. You can renew within a 90-day window prior to the expiration date of your license grant. It is good idea for you to review your license grant information as it currently appears on the FCC licensee database. If it is correct, apply for renewal only. If it is not completely correct, see *Modifying a license grant*, below.

Q. How do I use the electronic filing system to renew my license?

A. To renew your license via the Internet, the FCC information page advises to go to Universal Licensing System, from wireless.fcc.gov. Then, select Online filing and do the following:

1. For the Application Purpose, choose Renewal Only ("RO").
2. Find the appropriate call sign and click Select for Renewal.
3. Type the information at the bottom and click the Continue button.

A word of caution here: Do not enter RO for the application purpose when you also need to modify your mailing address or name. For the renewal only transaction, using your station call sign, the system will pull in your former address or name as it appears on the database. For this reason, when your name or address shown on the database is incorrect, and you need the combined transaction, be certain to enter "RM" (Renewal/Modification). Only then will the correct information you supply replace that shown on the official record.

Q. How do I renew my license by mail?

A. To renew your license using the mail system, you must obtain a copy of the document Quick-Form Application in the Ship, Aircraft, Amateur, Restricted and Commercial Operator, and General Mobile Radio Services, FCC Form 605. You can request FCC Form 605 by calling 1-800-418-FORM or you can download it from the FCC website. Caution! The entire package is some 24 pages long. Print out only the two pages you will use. They are the Main Form Page 1 and Page 2, located in the package at pages 9 and 10. After making your entries on the form, sign,

date, and mail it to FCC, 1270 Fairfield Road, Gettysburg, PA 17325-7245. Sign your name exactly as it appears on your license grant.

The FCC Form 605, in the item 2) Application Purpose, uses the same transaction codes as described in the previous question for the ULS. Select one, and only one, of these codes:

RO for renewal only

RM for renewal/modification

Q. How do we renew our club station license?

A. Section 97.21(a)(3) says that your application to the FCC for renewal of your club station license grant must be made through a Club Station Call Sign Administrator (CSCSA). The CSCSA must submit your information to the FCC in an electronic batch file. The FCC has designated the following as CSCSA organizations:

1. American Radio Relay League, Inc., 225 Main Street, Newington, CT 06111 www.arrl.org
Contact Wayne Irwin (860) 594-0200, clubcalls@arrl.org
2. W4VEC Volunteer Examiners Club of America, 225 Stonehurst Place, High Point, NC 27265
www.w4vec.com Contact Jim Williamson (336) 841-7576, w4vec@aol.com
3. W5YI-VEC, P.O. Box 565101, Dallas, TX 75356
www.w5yi.org Contact Larry Pollock (817) 461-6443, NB5X@w5yi.org

Q. How must we present the required information to the CSCSA?

A. Section 97.17(b)(2) says that the CSCSA may collect the information required by the FCC rules in any manner of its choosing, including creating its own forms. The latter has been done by the CSCSAs and you can obtain the form from one of them. At least two such forms are in use: FORM CSCSA 1-01 and NCVEC FORM 605. Neither of these are FCC forms. After entering the necessary information onto the form, mail it to one of the above-listed CSCSAs. Do not send your completed form to the FCC.

Q. My station has a vanity call sign for which I paid a fee. How will I renew this license when it comes up for renewal?

A. Great question, although renewal of station licenses with vanity call signs will not begin until June 2006. Unless the procedure changes before then, you will be able to renew your license grant as described above. Were you to do that, however, you would forego your vanity call sign. You would, instead, receive a different call sign selected by the sequential call sign system. To retain your vanity call sign, Sections 97.21(a)(3) and 97.21(b) say that your application must be filed in accordance with Section 1.913. This is the same process you used to initially obtain your vanity call sign and pay the fee.

It is not at all likely that our CSCSAs, our VECs or their agents could or would be authorized to collect fees on behalf of the

government. The vanity call sign fee is the only fee that the FCC collects from the amateur service community. Even this fee is returned to unsuccessful applicants. It is not a processing fee. It is a regulatory fee in an overall structure for recovering to the Treasury Department approximately 85% of the funds the Congress authorizes to the FCC annually. It is still a few years until the 10-year terms of amateur stations with vanity call signs begin to come up for renewal. Stay tuned.

Mailing address

Q. I've recently moved to a different mailing address than that shown on the FCC

licensee database. Must I notify the FCC?

A. Yes, and it is very critical for you to do so promptly. Section 97.23 says that your license grant must show your correct name and mailing address. This is serious business. This Section says that revocation of your station license or suspension of your operator license may result when correspondence from the FCC is returned as undeliverable because you failed to provide your correct mailing address. The mailing address, moreover, must be in an area where the amateur service is regulated by the FCC and where you can receive mail delivery by the United States Postal Service.

Q. How do I notify the FCC of my new address?

A. You use the same processes as described for renewing your license, except the purpose of your application is "AU" (Administrative update only). When you must combine a request for an administrative update with a request to renew, it is "RM".

Q. My name is spelled incorrectly as it appears on my license grant information. Should I ask the FCC to correct it?

A. Yes, by all means, have it corrected. You do that by applying for an administrative update to your license grant. Spotting errors on the database is another one of the benefits of having it available to us on-line.

Q. My station has a vanity call sign. My name will soon change, as I am getting married. How do I apply for the modification to my license grant?

A. Congratulations to the happy couple! Use the above procedures for an administrative update. The expiration date on your license will not change. There is no FCC vanity fee for this type of transaction.

Reinstating a license grant

Q. I just noticed that my license expired last year. Can I still have it renewed?

A. Yes, your license grant is still renewable. However, you had better get a move on! Section 97.21 says that a person whose amateur station license has expired may apply for another term during a 2-year filing grace period. I sure hope that you haven't been operating since your grant expired, because you were not authorized to do so. If you can get in under the wire, you can

retain your class of operator license and your station call sign. Otherwise, you must start anew. Then, after you pass the exams, you might be able to obtain your former call sign under the vanity system if no one else requests it first.

Other questions

Q. I hold an Advanced Class License. Now that I'm retired, I have more time to put on the old cans and get a little dit happy again. But, I'll be darned if I can figure out just what frequencies I am to use these days. Can you help?

A. I sure hope that I can help. Section 97.310 says, in effect, that an Advanced Class operator has the following transmitting privileges on the MF and HF bands at places within ITU Region 2 (North & South America) that are outside any area where the amateur service is regulated by any authority other than the FCC. Apparently your station will transmit from a place in ITU Region 2 where the FCC regulates the amateur service. Your privileges, therefore, are: ?

- 160 meters: 1800-2000 kHz;
- 80 meters: 3.525-3.750 MHz;
- 75 meters: 3.775-4.000 MHz;
- 40 meters: 7.025-7.300 MHz;
- 30 meters: 10.10-10.15 MHz;
- 20 meters: 14.025-14.150 and 14.175-14.350 MHz;
- 17 meters: 18.068-18.168 MHz;
- 15 meters: 21.025-21.200 and 21.225-21.450 MHz;
- 12 meters: 24.89-24.99 MHz;
- 10 meters: 28.0-29.7 MHz.

Section 97.305(a) authorizes an amateur station to transmit a CW emission on any frequency authorized to the control operator. Most CW activity, by tradition, takes place on the lower ends of the bands.

It might be a good idea to post a chart or some type of listing at your operating position so that you can spot at a glance where in each band you can operator.

Q. What is the status of the QCWA petition to allow us to designate which club station may some day apply for our call signs?

A. Good news! Our petition was accepted for filing by the FCC and assigned RM-10353. We asked that, in the vanity call sign system, our own requests to be considered over those of our relatives. There were 14 comments filed. Most were in agreement.

You can read them at www.fcc.gov/e-file/ecfs.html. Click on the link to "Search for Filed Comments". When that page appears, enter RM-10353 for the Proceeding under item 1. For item 4, Document Type, scroll down and click on "CO".

Unfortunately, several of the comments oppose our petition. Some do not even give a reason. Several of them raise old issues already decided. Others apparently do not understand or are not aware of the *in memoriam* provision already contained in the vanity call sign system. Another wants call signs of deceased hams to go to new hams. Ouch! Those are our call signs they're talking about! If the member wishes a close relative to inherit it, fine. I think it is totally out of order, however, for some unrelated new ham to simply assume the honor and respect associated with a particular call sign that was earned over many decades of service by one of our members.

It is awkward, at least, for our Chapters to request the necessary letter from a relative of one of our recently deceased members. There are currently 29 relatives of mine (and that number could grow even larger) who are eligible under section 97.19(c)(2) to give permission after I'm gone for my call sign to go *in memoriam* to some club station or other. It occurs to me that your call sign is assigned to your station, not to your relatives. There's no need to call on them to speculate or debate about which club station — if any — you want to have your call sign. You are the foremost authority on your intentions, not some deadbeat relative that you might not even like. That is the point, and the only point, of our petition.

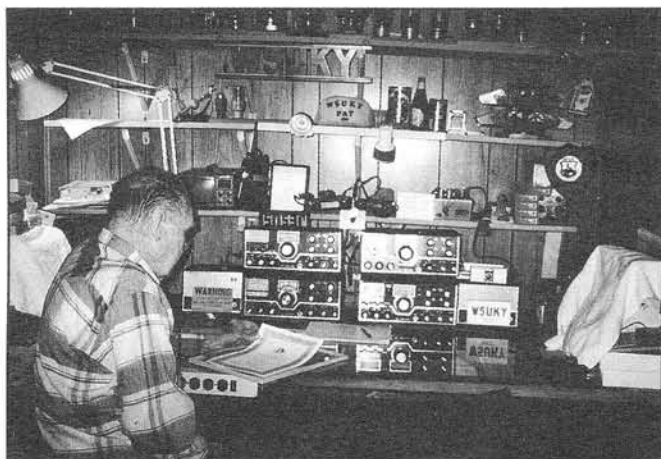
Hopefully, our petition will be included in a not-too-distant Notice of Proposed Rule Making. Then, we can all go on the official record with our comments.

Appreciation

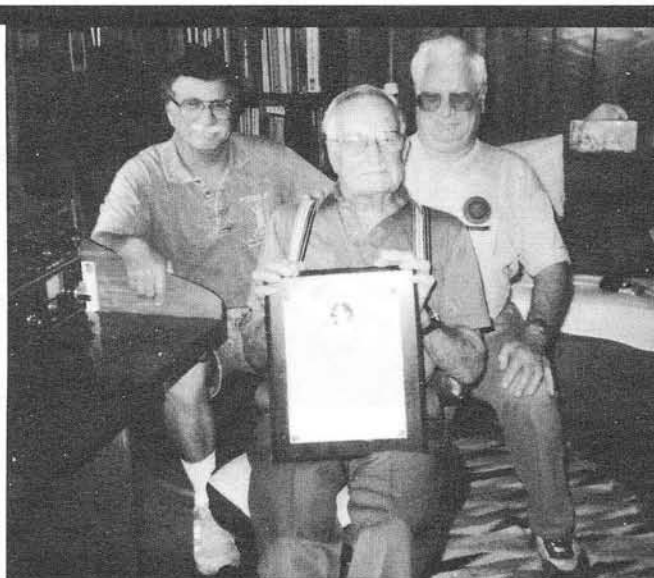
Many thanks go to those who provided a question or suggestion for this column. An extra special thank you goes to Ms. Darlene Reeder of the FCC's Wireless Telecommunications Bureau Gettysburg licensing facility. It has been the amateur service community's great fortune to have Darlene assigned to our license processing systems for... well, for a long time. She, along with Larry Weikert — until he retired a few years ago — are the two key folks who made each of our new license processing systems work for us. Thank you both.

If you have comments or a question about the FCC rules for the amateur service that would be of general interest to QCWA members, e-mail to John@Johnston.net or postal mail to the byline address.

Six Swans-a-Swanning



Pat Patterson W5UKY sits before his magnificent collection of Swan equipment as he frames his "Fifty Years Continuously Licensed" award. Row 1 (Table level) left to right: Swan 117E P/S, Swan 350, Swan 500CX and Swan 117E P/S. Row 2: Swan 500 and Swan 350. Row 3: 2m Alinco, Kenwood 241A, change-over relay to select x-receivers, Yeasu PT1500M, change-over relay to select antenna. On the top shelf he displays an assortment of tubes. Mr. Patterson neglected to describe the "tubes" sitting to the right of his hat on the fourth row.



Del Freret W4KB who was pictured in the 75-year award section of the Summer Journal, was also honored in his home when his son presented Del his QCWA 75-Year Plaque at the family gathering. Del is 90-years young and enjoys his radio and his family. On-the-air schedules with the family are a weekly event in his life. Shown in the picture above are: (From left to right) Rene Freret N4MHL, Del Freret W4KB and Del Freret Jr. W6KOZ. Grandson Jon Freret KG6EFB (not in picture) rounds out three generations of amateur radio operators.

Convention QSL Card

QCWA MEMORIAL STATION



Hosted by Citrus
Chapter #45,
QCWA, Orlando,
Florida

W2MM



TO RADIO	CONFIRMING QSO						
	DAY	MONTH	YEAR	UTC	RST	2-WAY	MPH

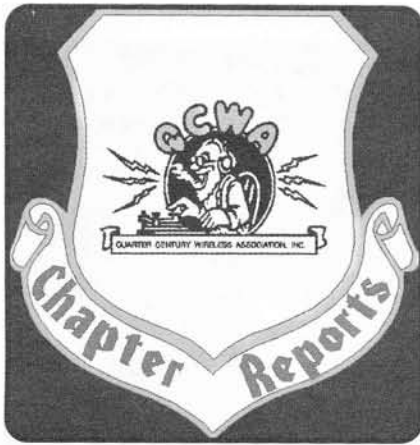
Operators: Norm K1AA

Harry W3GU

Bob W2BZY

Quentia KU4WD

Verified Paul Turner, W1DLP, Sec'y, 1550 Gay Road, #206,
Water Park, FL 32789



Chapter Reports are a very important part of the Journal and we would like to see regular reports from all chapters. If your chapter is not represented on these pages, please ask your secretary to file a special report for the Journal. Please send the reports to General Manager, Jim Walsh, to arrive no later than the following dates: July 1, October 1, January 1, and April 1.

Chapter 2, Chicago

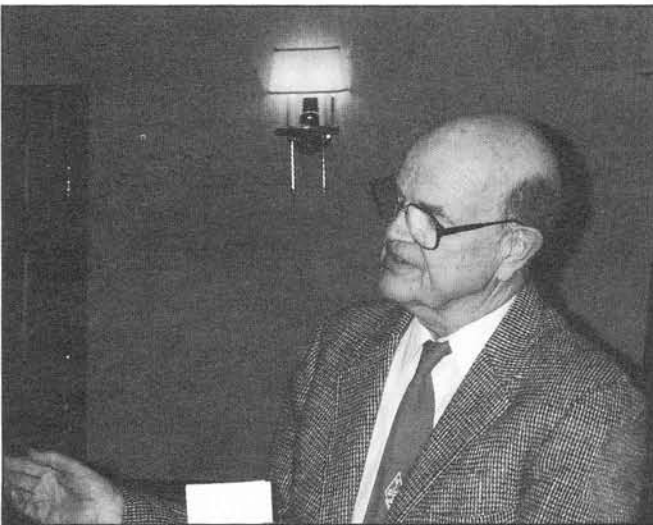
There were 10 members and 4 guests in attendance. During wait for the meal, Jim Quinn welcomed the members, their guests and the non-members. He started the program by having all introduce themselves to the assembly.

Jim announced that the July Brunch would be June 30 due to the non-availability of the Country Club for our normal July date. Ed Dervishian gave a report on the status of our member Paul Crum W9LC. Jim then reported that we're still solvent with \$1301.08 after taking in some money and spending some money. Jim gave a rundown on income and expenses plus we're a little bit ahead of last year. Jim then he turned the floor over Gil Kowols W9BUB. Gil informed the group that there were still 6 members that have not paid their dues. No One at the meeting was unpaid. If they had been, the Secretary would already have 'strong-armed' them for dues. Chapter policy is unpaid members are dropped in June.

Jim announced that on April 19, he celebrated his 55th wedding anniversary.

Then dinner was served. The restaurant served its usual fine meal. Attendees had a choice of fish, chicken or beef. But it also includes salad (outstanding and all you can eat), soup, rolls, entrée, and desert.

After dinner, Lee Knirko W9MOL, introduced the guest for the evening, Joe Schroeder W9JUV.



Joe Schroeder W9JUV during his talk.



Jim Quinn K9JQ introducing Joe Schroeder W9JUV.



Jim Quinn K9JQ, Joe Schroeder W9JUV and Lee Knirko W9MOL who made the arrangements for the program.

Joe spoke on "How amateur radio has influenced my life and career".

Joe's speech was fascinating in how he described how he started in amateur radio, and how amateur radio opened doors for him through out his whole life. It might be an amateur friend, or the knowledge of radio that has given him an advantage. It was not just once, but many

times, and when he had to make a career choice, amateur radio prepared him for the next change.

From the comments after the meeting, many of the members and guests felt that it was an outstanding presentation.

The meeting closed at 9:30 PM.

Gil Kowols W9BUB - Secretary

Chapter 5, Delaware Valley

The Delaware Valley Chapter 5 held the spring meeting at the Town & Country Restaurant in Bordentown, NJ on April 6, 2002. The luncheon was opened at 12:10 by Vice-Chairman Charles Davison, K2DOV since Chairman Sid Deitz W2FDE, was not able to attend. The group was welcomed and introductions took place. The minutes of the December 1, 2001 meeting were read by the secretary and approved. The treasurer Marv Foral W3QGC, gave his report and it was approved. A speaker had been scheduled but since he had not arrived by the time everyone had finished eating, one of the members of the Chapter, Steve Garcia, KE2W, was asked if he would fill in with a talk on his experiences in his many jobs in radio communications that he performed in a number of places in the world. He graciously consented and his talk was enjoyed by the audience.

The Chapter had a number of awards to be presented and the Vice-Chairman proceeded to hand them out. The Century Award went to E. Miles Brown, W2PAU, Marvin J. Foral W3QGC, Winston C. Goldman K3WG, Anthony S. Rura W2UDA, and Richard G. Schubert K3PGC. The 55th Anniversary Award went to John M. Heisey K2FL, Ernest Kenas W3KKN, and Donald G. Field, W2UAE. The 65th anniversary Award went to William F. Petty W2HAZ. The 70th Anniversary Award went to John B. Power W2AXU, Anthony S. Rura W2UDA, and Charles Davison K2DOV. A 75 Year Plaque was awarded to Walter E. Cranmer W2AWR. A picture of the group that was present appears with this article plus the Vice-Chairman K2DOV, presenting the 75 Year Plaque to Walt Cranmer W2AWR.



Walter E Cranmer W2AWR is presented a 75 year plaque by V-Chair Charles Davison K2DOV.



A group received their awards. From left to right: John B Power W2AXU, Walter Cranmer W2AWR, John M Heisey K2FLE, Miles Brown W2PAU, Winston C Goldman K3WG, Marv J Foral W3QGC and Charles Davison K2DOV.

The Delaware Valley Chapter 5 held its next meeting on June 8, 2002 at the same place and the luncheon was opened by Chairman Sid Deitz W2FDE, at 12:15 and the group was welcomed by the Chairman. The minutes of the April 6 meeting were read by the secretary and approved. The treasurer was not present and no report was available. A minute of silence was observed in memory of Anthony S. Rura W2UDA, who became a Silent Key on April 22, 2002. Tony was a very loyal member of Chapter 5 providing the public address system for the meetings for many years. He will be missed by his many friends in the amateur radio world.

Two new members were welcomed into the Chapter. They are Charles Anderson, W2RYB, and Bob Durant, KC2FXH. The speaker for the meeting was Tom Glover, WA2RVU, who writes a bi-monthly column for the Trenton Times called "Sentimental Journey", which is mostly about the past history of the local area. He is a great collector of historical data which includes such subjects as automotive, radio and communications and aircraft. He brought back a lot of memories to the group with his asking to identify a lot of songs of the 40's, 50's, and later years. Everyone enjoyed his presentation.



L to r: Charles Davison K2DOV, Tom Glover WA2RVU (the guest speaker) and Sid Deitz K2DFE.

Chapter Reports

Chapter 10, Michigan

On May 4, 2002, members of Michigan Chapter 10 met at the Swap and Shop in Cadillac, Mich. to look over the good things for sale. At noon the members and their guests went to the Waterfront Restaurant in Cadillac for our luncheon meeting. The restaurant sure puts on a very good buffet for us at a reasonable price.



QCWA Chapter 10 luncheon in Cadillac.

After the meal Skutt, W8FSZ, opened the meeting in the absence of our president who was on a emergency service call in Detroit. We all introduced ourselves and our guests. Skutt, W8FSZ, gave a secretary's report of the meeting for last year. This was approved. Skutt then gave a treasurers report and this was approved. Our picnic date was discussed and was set for Aug. 14 at Kenwood Park in Cadillac. Jim, W8JFB, asked about the chapter having a web site and offered to look into it to see what was involved. The present president and secretary treasurer said they would serve another year if there were no nominations from the floor. As there were none they were elected. Leo, WD8DCA was nominated and elected to serve as vice president. Sunday net and net controls were discussed and we have a good set of net controls at this time. It was good to see Marion, W8VWY, at our meeting and talking to us. Keep up the good recovery. It was decided to have our meeting next year at the same place. There being no further business the meeting was closed. All in attendance had a safe trip home.

Our Sunday morning net is moving along in good shape but we can always use some more checkins. Every one is busy with summer, plans etc. The picture is of some of the members and guests at the meeting.

Curran L. Skutt W8FSZ - Secretary/Treasurer

Chapter 14, San Diego

The spring brunch meeting of Chapter 14 on Sunday May 19th was fun, interesting and noteworthy:

As usual, a delicious buffet, a raffle was held for a varied assortment of prizes and a good program that related to us all. A member of the Pearl Harbor Survivors association told us about his experiences as a crew member of the battleship Nevada during the December 7, 1941 Japanese attack and the Nevada's subsequent service in the European theater during D Day.

A highlight of this meeting was the awarding of service certificates to several Chapter 14 members. Seven members received certificates.

Several Chapter 14 members were active on the Field day weekend. Other chapter 14 members supporting Field Day and supporting communications for the Pacific Crest Trail 50 mile run(held on same weekend) were Steve Adams K6PD, and Del Raydant W6JZE.



L to R: Certificates were presented to Jack Pletcher W6JIR - 50 Years, Steve Adams K6PD - 60 Years, Ralph Held K6QS - 65 Years, George Mitchell K6ZE - 65 Years, Lawrence Harvey N6LY - 70 Years, W.A. Simmons W6MI - 70 Years and seated Albert Ickstadt W6DYS - 50 Years. _



Dave Guimont WB6LLO, an active local AMSAT member getting equipment ready for a satellite pass on field day.

Relocated but still active- George Levy WN6N, has notified us of his new address in Orange CA. He had been unable to attend meetings but enjoyed receiving Chapter 14 bulletins. In his letter George said that since re-



From the left: Century Club certificates were awarded to Ralph Held K6QS, George Mitchell K6ZE, Lawrence Harvey N6LY and W.A. Simmons W6MI.

stricted from erecting an outdoor antenna, he had been experimenting with an indoor wire antenna with which he worked South America on ten meters. How's that for a radio ham who has just turned 90 years, licensed since 1928 and still active! George closed his letter with "Amateur radio has been a wonderful hobby to me". Keep it up George and we'll continue sending you the chapter 14 bulletins.

Silent Key- Charles Hodgson W6HC, passed away last fall. We were notified only recently. I had the pleasure of awarding Charles his 75 year plaque at his home in 1997.

Reuben Onstad - Secretary

Chapter 21, Canton, Ohio

The regular quarterly meeting of QCWA, Chapter 21, Canton, Ohio, was held May 25, 2002, at Bachelli's Italian Villa and Steak House, Canton, Ohio. Following dinner, president Nelson Caley W8EAR presided for the meeting. There were 25 members and guests present.

President Caley opened the meeting by having the members and guests pay tribute to those who served our country and to those who gave the supreme sacrifice. He asked the group to recite the Pledge of Allegiance and The Lord's Prayer, followed by a moment of silence.

Former national director John Edel K8LBZ introduced our guests, current national director Arthur Kunst W3WM and his wife, Sylbia Kunst KB3HYV. Mr. Kunst spoke about visiting various chapters, remembering our technical roots, and recruiting. He called attention to the forth coming national elections. He praised the Chapter 21 website.

Joe Vignos W1FEZ would like for the chapter to have at least one technical meeting each year. It would not have to be one of the quarterly meetings.

Dave Glass W8UKQ reported that he made a presentation for the chapter at the Stark County area "Super Meeting" of clubs on March 27th.

Dennis Moriarty K8AGB reported on the seminar he gave at the Dayton Hamvention. It was about "Causes and Cures of Interference by Power Lines and Appliances."

Director Stanley Smith WA8NZE presented the Century Club certificate to Nelson Caley W8EAR.

Vice president Perry Ballinger W8AU presented a narrated slide program, "A visit to an old time radio store,



Century Club certificates were presented to Denny Freym K8NIB (l) and Chapter President Nelson Caley W8EAR (r). and other things." It is from the Antique Wireless Association and Museum of Holcomb, NY.

David Glass W8UKQ, Secretary

Chapter 25, Nebraska



Chapter 25 members taking time out for a group photo.

On Saturday, May 25th, the Aksarben Radio Club (Nebraska spelled backwards) held its first annual picnic at Mahoney State Park. All of the area clubs were invited to attend and close to 100 showed up to enjoy hot dogs, hamburgers and all the trimmings. The picture shows Chapter 25 members taking time out for a group photo~! A special event station was set up and a lot of contacts were made in spite of propagation being less than perfect. Needless to say, the 2nd annual picnic is sure to be scheduled for 2003~!

Don Perazzo WOYQY - Board

Chapter 38, San Antonio

Eighteen members and guests were present at the regular monthly meeting of Chapter 38 on April 27, 2002, at Grady's Fredericksburg Barbeque Restaurant in San Antonio. We met for lunch just before noon and our program was a video "tour" of ARRL's headquarters in Newington, CT., including a look at W1AW, the League's ham station there. The presentation gave many of us a



L to r: Bill Minton AA5HI presents the QCWA Meritorious Service Award to Gus Gikas W5HRF.

first look at this very important site for all amateurs, members or not.

Also at this meeting, Chapter President Bill AA5M presented a much deserved award, the QCWA Meritorious Service Award, to Gus Gikas W5HRF, for his long service to the Chapter and to Amateur Radio in general for many years. Gus has made meeting arrangements for Chapter 38 for as long as many of us can remember. He also is Net Control each Sunday evening at 8:30pm local time on 28.650 MHz for our weekly meetings on the air.

Willard C. ("Bill") Minton AA5HI

Chapter 39, Akron

The meeting of Apr. 18, 2002 was held at Waterloo Restaurant at noon. There were 11 members and 8 guests present.

After lunch Bill Hessler W8DXT called attention to some documents displayed for review, including other chapters' newsletters.

After a short intermission, we reconvened with the usual introductions all around.

Next, Bill gave a treasurer's report that showed cash balances of \$312.22 in the bank and \$3.92 in petty cash.

In the nature of absentee news, he mentioned: Harold Davis W8NNS has been nursing his wife since she fell on the ice and broke a bone in her elbow and cracked a vertebrae. Arnie Farkas W8UPG has been nursing his wife since she became ill two years ago. Ham Fisher WA8FQW made reservations for two, but his wife's new shoes didn't fit so he came alone.

For a program, Del Labo W8SJC related a number of stories about his career in electronics. In the early 30's, after his father left for work, he would play with the broadcast radio. He found a switch labeled SW1/SW2 which opened the world of short wave to him. He found a station sending code practice. He learned to copy 20 wpm, but still didn't know about ham licenses. He met a fellow who had a radio repair shop. This fellow agreed to teach Del about radio as on-the-job training at 25 cents per

week salary, provided Del could get his mother's permission. After a personal interview with the proprietor, she granted permission.

His Elmer, Percy Buchtel W8TPI, taught him about ham radio. He brought a transmitter to Del's house to show ham radio operation, but he took the final tube home with him. So, Del made an octal tube adapter to use a different tube! He was first licensed as W8SJC, the call he still holds. I am told that that was in 1936, but national QCWA records say it was 1938. (I suspect that their records are often late because of difficulty documenting the first license. In my own case, I used my second license when I joined QCWA, because that happened to be available, so they have my first call W9QBI with the date of my second call J2QBI!)

He served in the Navy Air Corps (Fleet Air Wing) for 8 years including the WW II period. The Navy put him through Radio Engineering School at Northwestern U. He also trained in radar at Philco Labs in Philadelphia. After military service he worked at Columbia (later PPG), and was an instructor at McKim Tech. After 10 years on these jobs, he started his own TV repair business. He was a pioneer in servicing color TVs.

He has been active in ham radio, including fast scan TV. He also was an early computer user, starting with a VIC-20. He wrote many computer programs related to ham radio.

The Kitty collection amounted to \$20.00.

Bill Hessler W8DXT - Secretary

Chapter 45, Citrus

The Chapter has two new members and a past member that has become active again in Chapter affairs. William Clark WA4DXL renewed his membership in QCWA and joined Citrus Chapter. We also welcomed Jack Clark W9HJM. Jack lives in Orlando with his XYL Shirley, is a member of OARC, ARES and a life member of ARRL. Other interests include computers and travel. Donald Kelsey W2VBW also lives in Orlando with his XYL Shirley. He was first licensed in 1947 and we presented him with his 55-year certificate as part of his introduction to the assembled members.

At our June luncheon meeting we recognized the following wedding anniversaries. Charles Allen K4AXB and his XYL Winifred celebrated their 71st wedding anniversary the day before the meeting. During the month George Jeck, Jr. W2IOE, and his XYL Rose will celebrate 63 years of marriage, and Paul Turner W1DLP, and his XYL Beatrice will celebrate their 64th anniversary.

Plans for the 2002 QCWA Convention are going well. The lead-time we were given for this event was very short but a very active Convention Committee has made great progress in getting all the activities lined up. The principal banquet speaker will be Dave Sumner K1ZZ, CEO of the ARRL. Other interests will be an Antique Wireless Group display by Herman Kramer. A QCWA open forum where Board members will be available to answer questions from the members and bring us up-to-date on plans for the future of QCWA. Other program items will be a presentation by the "Lightning Stalker",

video presentation of a Dxpeition. VEs will give exams for all elements of Amateur Radio licenses. For those interested a visit to the Arabian Nights Dinner Show is being arranged for Friday evening. A shopping tour to the Lake Buena Vista Factory Stores can be made using the "Shopping Shuttle" that stops at the hotel every morning. The ladies have not been forgotten with demonstrations of making Christmas gifts and corsages.

The Convention Hotel is in the immediate vicinity of Disney, Seaworld, Universal Studios and other Central Florida tourist attractions. Local transportation is available to many of these attractions.

Special event station W2MM will be operated by Chapter 45 members during the fall session of the QCWA QSO Party and during the Convention. The W2MM QSL card can also be seen on the QCWA homepage.

Particulars of the program can be accessed by going to the QCWA Home Page and clicking on "Orlando 2002" This website has information as to the where and when, and a registration form that can be sent in to become a part to the 2002 QCWA Convention. Anyone that does not have computer access to the Internet will find a registration form elsewhere in this issue of the Journal.

Chapter 45 holds a luncheon meeting the third Wednesday of every month at the Piccadilly Cafeteria, 1840 East Colonial Drive in Orlando Florida. Members usually begin to gather at about 1130 hours for lunch and fellowship. The business meeting begins at 1230 hours. Any ham in the area is welcome to join us. The Chapter operates an open repeater on 147.195mhz with a scheduled net at 1930 hours local time Tuesday evenings. If you are in the Orlando area, drop in.

Paul Turner W1DLP - Secretary

Chapter 51, Tex-La Golden Triangle

Our monthly meetings this quarter were held at Dorothy's Front Porch Seafood Restaurant with 25-30 members and guests present.



Ken Gregory with some of the old radios from his collection.

At our April meeting Ken Gregory, a collector of antique radios, showed us several of his favorite old receivers dating back to the 1920's. Ken talked about the

art of finding and restoring old radios. While not a ham Ken found common ground with our group.

Dub George W5DUB - Bulletin Editor

Chapter 53, Suncoast

There were 27 members and guests present at our April meeting. During the business meeting Director Art Kunst-W3WM reminded all of the 2002 QCWA Convention to be held in Orlando, and advised that early advance reservations were encouraged. Following the business meeting, Brian MacNeel, a representative of Metro Crime Prevention of Florida presented an informative program dealing with personal and home security. The May meeting was chaired by Treasurer Bea Pearsall in the absence of the president. Following the meeting, Bob Siff K4AMG served as Chief Auctioneer for a White Elephant Auction. Contributed items ranged from a camera and books to miscellaneous plastic boxes. A fun time was had by all present and the Chapter gained some funds for its treasury. Suncoast Chapter 53 has a luncheon meeting the first Thursday of every month-October through May-at Denny's, 3701 Bee Ridge Road, Sarasota, FL. From June through September, join us for lunch on the same dates at a venue to be posted on the QCWA e-mail reflector. All QCWA members in the area are always welcome!

Jack Sproat W4JS - President

Chapter 55, Wisconsin

Our Spring meeting was held on Saturday, June 1st at the Moose Hall in Watertown. Our president, Verne Teske W9RYA, opened the meeting at noon with a prayer for our Silent Keys and victims of the 9/11 terrorist attacks against our country. Verne offered a "Thanks of Appreciation" to Bettie Norbury K9GJC, for arranging the use of the Watertown Moose Hall and the preparation and serving of our dinner. The meal consisted of Swiss steak, baked chicken, vegetables, fruit, rolls, desert and hot and cold drinks. Needless to say, there was plenty to eat and the meal was enjoyed by all.

After the dinner, and all were relaxed, there was a round of self introductions and then Verne introduced our program speaker, Don Michalski W9IXG, ARRL Wisconsin Section Manager, who in turn introduced Sam Rowe KG9NG, as his Elmer. Don's A/V presentation detailed several programs dedicated to Emergency communications involving amateur radio operators including RACES, traffic handling and traffic net management. Also ARRL sponsored Emergency Management courses, levels 1, 2, and 3, depending on personal goals. Of special interest was the discussion on the "re-farming" of existing ham bands and possible new frequencies in the 5.0 MHz and at 136Khz, all of which have been covered in detail in recent issues of QST. Visit Don's website: W9IXG@eboard.com for more info. Don finished his program with a door prize, a year 2002 edition of the ARRL Handbook which was won by Les Gerlach W9UPM.

Two awards, The QCWA Century Club Certificate and the 70th Anniversary Award both earned by Duane Haas, W9BCV were given and explained by Verne to Duane with a handshake under the flash of cameras fram-

Chapter Reports



L to r: Duane Haas W9BCV, receives his 70 year Certificate from Chapter Pres. Verne Teske W9RYA.

ing the event for posterity. The QCWA Century Club Certificate is issued to QCWA members whose age, when added to their number of years as a QCWA member totals 100 years or more. The 70th Anniversary Award is based on the number of years as a licensed radio amateur. Duane was licensed in 1932! He tickled our ribs a bit with a story about his history of longevity and Navy career teaching as a radio instructor in the Air Corps at Truax Field in Madison as a GI....a story with a few twists and turns as you might imagine.

Ron Yokes W9BCK, Sec'y/Editor mumbled his usual harangue about the newsletter, "use it or lose it", meaning he needs contribution of articles from membership to keep the newsletter from going "National" by having to print articles already available to all from nationally distributed ham radio magazines. Ron thanked Dick K9CAN, Fred W9NZF, Ernie K9LO and Bob W9NN for their articles during the past two years. WB9VHF Paulette Quick, WI9M Gary Sharbuno, W9LO Bob Truscott, N9UR Bruce Wade, W9JBE Richard Wood and W9DJB David Boede were welcomed aboard as new members, all joining QCWA and Ch. 55 during the last 12 months. Les W9YCV relinquished his dual role of NCS and National newsletter contributor but then volunteered to become a member of the Board of Directors for Chapter 55! Whatta' Guy! Herb WA9UVK stepped up to take over the role as Net Manager (NCS) and Duane W9BCV volunteered to make Chapter 55 news contributions to the National QCWA Quarterly. Chapter 55 active members number fifty-five (55) including two members in care facilities who will continue to receive news of our activities.

Ted Stiller WA9RDI, gave the treasurers report as follows: Previous Balance October 6, 2001 \$661.75 and a current balance of \$680.88. The details will be included in our July issue of the Chapter 55 Newsletter. The meeting adjourned at 2:20 pm. All are looking forward to our fall meeting that probably will be held in the northern part of the state where we can enjoy the fall colors.

Duane Haas W9BCV – reporter

Chapter 65, Niagara Frontier

Welcome to Gerald Tyror KB2WVR from Walworth, a new member. He was first licenced in 1965. Our thanks to Norm W2VEX, Bill W2EWT and John K2CF for handing out Chapter 65 in the March QCWA QSO party.



Left to right: Bob Jones W20ZT, Sylvia Taylor, Sec. Ken Palmer K2FJ, George Guinther WB2QCK and Kathy Rybacki (XYL WA2ARA).

George WB2QCK suffered a leg fracture last Spring. Our congrats to Herb ex-K2JVM who now sports K2VH for a new call; What happens to the old QSL cards Herb?

Kenneth R. Palmer K2FJ - Secretary

Chapter 70, National Capital

At our Fall dinner meeting held at the Green Valley restaurant we had 50 members and guests in attendance. A special presentation of our 25th year Chapter 70 History Booklet was made to Barbara Everson in honor of the late Carl Everson VE3BYX who did most of the initial work for the booklet. The 61 page booklet covers the history and activities of Chapter 70 from 1974 to 1999. It is full of pictures of past and present members and is a bargain at \$10.



Betty VE3ZBB and Rod Newkirk VA3ZBB / W9BRD enjoying breakfast with others at the Wednesday morning breakfasts.

The first Canadian to receive a QCWA scholarship, Andy Webb VE3UIY, expressed his thanks and appreciation to those in Chapter 70 and QCWA for the help he had received. He is now completing his Masters Science in Petroleum Geology.

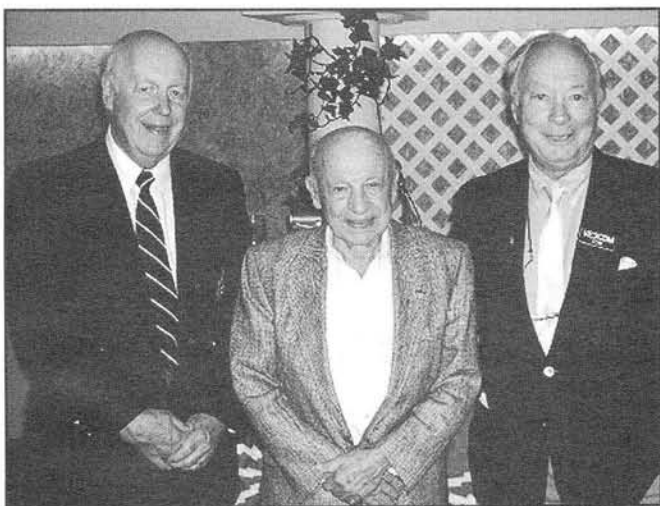
Would you like to have QSO's with other amateurs around the world from your HT or from your mobile? Cary VE3EV told us how this can be done over IRLP, the Internet Radio Linking Project. This reasonably secure mode of communication designed by VE7LTD, using simple equipment, provides an easy way of using the internet to link radios together. Four touch tones are used to access and control links. Audio quality is excellent. IRLP reflectors enable multiple nodes to be linked together. Operation is similar to linked repeater systems and gives worldwide access to the other 450 nodes currently in operation around the world. The impact of IRLP has resulted in increased use of repeaters and makes amateur radio more appealing to today's youth. Information about IRLP can be found at www.irlp.net.

Chapter 73, Fred Hammond

Our spring meeting was held on Saturday, May 4th at the Plainsman Restaurant near Clappison's Corners, Ontario, with 85 members and guests in attendance. Our new President, Tom Atkins VE3CDM, presided. Tom introduced new members, Al d'Eon VE3AND, and Margaret Cassel VE3RE, and reported the passing of Forbes Simpson VE3OD. He also noted that two non-Chapter members, who were well-known amateurs, Charles Shedden VE3NV, and Al Lowry VE3AL, were silent keys. Tom called on all of us to each recruit a new member for QCWA.

Croft Taylor VE3CT, QCWA Vice President, reported on various aspects of the QCWA, including the very successful cruise which was last year's convention. He also introduced an honored guest, Leo Meyerson WØGFQ, who joined our chapter.

Tom gave us an IARU report, the highlight of which was the continuing effort to obtain a worldwide 300 KHz



Croft Taylor VE3CT with guest Leo Meyerson WØGFQ and Chapter President Tom Atkins VE3CDM.

allocation on the 40-metre band.

We then had a report from the RADIO AMATEURS OF CANADA, Ontario South Director, Bob Cooke, VE3BDB, who updated us on the various RAC Activities, such as seeking Government recognition of Radio Amateurs' capability in emergency planning. RAC are putting on a membership drive, and are looking for ways of improving the benefits of membership.

Our guest speaker was our own renowned member, Paul Cassel VE3SY, who gave us an excellent illustrated talk about IRLP, the Internet Repeater Linking Project, which provides a way for VHF/UHF repeaters to link to each other using voice over internet protocol. IRLP has become a very popular mode, with over 450 stations now in operation around the world, including McMurdo Sound in Antarctica.

After a very fine buffet lunch, we had a prize draw with many winners. Prizes were courtesy of Electrosonic Inc., Hammond Manufacturing, Maple Leaf Communications, Radio Amateurs of Canada, Buzz Roberts VE3ZDD, Tom Atkins VE3CDM, and Croft Taylor VE3CT.

We then adjourned until our next meeting on 5 October 2002.

Keith Bentley - Secretary Treasurer

Chapter 75, Central Coast

The Central Coast Chapter 75 held it's annual Spring Fling at the Elks Club in San Luis Obispo, California on Saturday, April 20, 2002. There were 18 members and guests present.



Left to right: Gerry Peterson W6VWE and Jim W6FOB.

The speaker was Mr. Gerry Peterson, W6VWE. Mr. Peterson has built several concert type electronic organs and he talked on the complexity of these instruments comparing them to the old standby, the pipe organ. He provided several organ pipes to enable the members to compare their tones with the new electronic models. He had circuits that produced one octave of notes that were played on a portable keyboard. His talk was concluded by playing recordings of some of the well known organs across the country. Drawing for door prizes was held for the pleasure of all.

Jay Luster W6QHD - Secretary

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***Our featured banquet speaker is Mr. Dave Sumner, K1ZZ, Chief Executive Officer of
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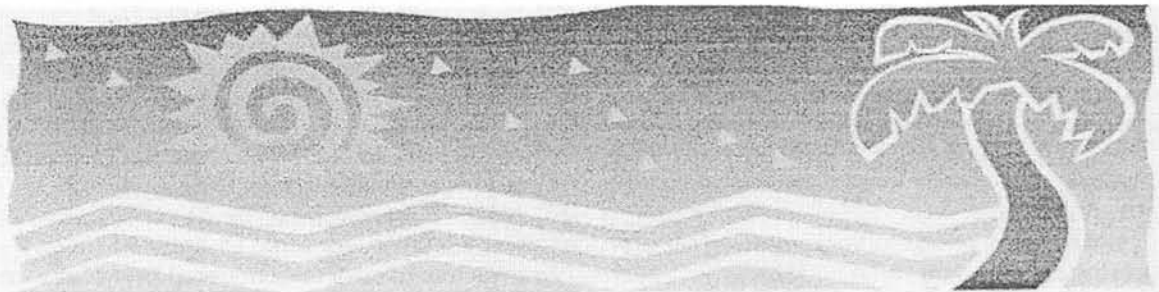
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***REGISTRATION: Mort Cohen wa2ars@aol.com 1972 Martina
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Tel/FAX: 407 814-0434

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* QCWW meeting * Ladies Crafts programs * Lakeridge Winery Tour * Open Forum

• Hospitality Suite * Prizes * ARRL VE exams * W2MM special event station

• Arabian Nights Dinner Show * Outlet mall tour with free \$300 coupon book

* Sunday breakfast buffet * Free scheduled transportation to attractions

INFORMATION: WWW.QCWA.ORG

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Chapter Reports

Chapter 81, Long Island

Gentlemen, this is the contribution from chapter 81 for insertion in the Summer issue of the Journal.

We had our meeting on June 18th, the last before going into the fall season. It was held at Kenney's Restaurant. This time we had the porch room, which any attendees will agree is most pleasant as it is generally flooded with sunlight

Although we had no speaker at this meeting conversation centering around ham radio flowed easily. Some gratuities in the form of pens inscribed with QCWA Chapter 81 were presented to those in attendance. There were 17 of us. Having been called for 6:00 pm the meeting was adjourned at 8:15 pm. Every one seems to have been happy with the dinners they chose.

W2TLC - Secretary

Chapter 91, Vic Clark

Here's what Chapter 91 has done for fun recently. Articles covering these and other events in more detail, including photos, can be found on our web site - <http://homepage.mac.com/rucker/chapter91.html>

Near the top of that page is a Table of Contents with clickable entries under these headings: Scheduled Events, Recent Events, Other Features, and Archived Events.

"Other Features" includes an entry "Photo Albums and Downloadable files" that, when clicked, will take you to a list of photo albums, one for each of our recent & past events. Click on any one, and it will take you to an overview of all the photos in the album. Click on any one of the photos, and a new window will open up containing a much larger rendition of the selected photo. If you wish, you can save that photo to your own hard disk for later viewing or printing.

Photo windows of the more recent albums have "left arrow" and "right arrow" buttons in the lower right-hand corner that allow you to cycle through the photos, one at a time, in this enlarged format. Photos are downloaded and saved as "<name>.jpg" (JPEG) files.

June 15, 2002: Tour of the Smithsonian's Garber Facility Docent Ken Roberts took us on an enjoyable tour of 3 of the 32 buildings that make up the Paul E. Garber Preservation, Restoration, and Storage Facility. The facility is located at Silver Hill near Suitland, MD, and is operated as part of the Smithsonian's National Air & Space Museum (NASM). Of the 356 aircraft in the Smithsonian's collection, 65 are displayed at the museum's main building on the Washington, D.C. mall, while over 140 are stored at the Garber facility. Some of the latter are being restored for display at the Smithsonian's new museum, the NASM's Udvar-Hazy Center, located at Dulles International Airport.

A few of the highlights of our tour were * a cutaway of a Pratt & Whitney R-4360 28 cylinder, air-cooled "corn-cob radial" aircraft engine shown to us by its restorer, volunteer Scott Willey. Scott, a retired Air Force officer, told us that it was the most powerful piston engine ever to fly;

* a Heinkel 219A "Eagle Owl," the German's best night fighter during WWII, that is currently undergoing restoration for display in the new museum; and

* a famous B-17D, nicknamed "Swoose," that served Lt. Gen. George H. Brett as his executive aircraft throughout WWII. He was commander of all Allied air forces in the Pacific during the war.

May 25, 2002: Annual Awards Luncheon + FCC's Bill Cross, W3TN Every May, Chapter 91 holds its annual awards luncheon. Those honored this year were:

80th Anniversary Award: Chuck Stay, W4HE (It was actually awarded to Chuck in February, but is listed again here for completeness.)

70th Anniversary Award: Howard B. Bullock, W4LBM

65th Anniversary Award: Floyd E. Martin, W4RW; Gordon R. Messmer, W4IQA

50th Anniversary Award: A. Norman Brew, KB4VCV; Frank E. Brooks, W4UMC; David W. Burns, WA3WHR; George A. Paull, W4QXO

50 years Continuously Licensed Award: George A. Paull, W4QXO; Frank E. Brooks, W4UMC

Century Club Award: Walter M. Quitter, NC4B; Robert H. Fasulkey, W3BBQ

An Anniversary Award recognizes when a currently licensed member has reached a given number of years since the year he (or she, as the gender may be) was first licensed as an amateur radio operator. The Century Club Award is awarded to each member whose age plus his years as a QCWA member reaches 100.

Our featured speaker was Bill Cross, W3TN, from the FCC's Policy and Rules Branch within the Public Safety and Private Wireless Division. Bill reviewed a few changes within the FCC and brought us up-to-date on recent happenings within the FCC of interest to hams. He noted that since the Morse code requirement was relaxed for Extra Class licensees and eliminated for the General, there have been a number of hams who have upgraded: +22,000 Extras and +20,000 Generals. Many of these are "grandpappy techs:" hams who had passed the written element of the exam but who had not passed the code-copying element. When the new rules came into effect, they applied for their upgraded licenses. Overall, however, the total number of amateur licensees has remained constant.

April 20, 2002: Norm Jeweler, W3NRS, on Antenna Towers Norm Jeweler, a member of our chapter, is known to hams in the Washington D.C. area as the proprietor of Norm's Rotor Service, Frederick, MD, but commercial broadcasters known him as president of United States Tower Services, Ltd. The owners of the PBS station serving this area (TV Channel 26) hired US Tower to replace the antenna on their tower with a newer one using a helicopter. Norm showed us an uncut videotape of the job since they had just done it that morning.

Norm first reminded everyone how it used to be: about the only firm requirement for obtaining a permit was that if your tower fell, it had to fall within your own yard. Today, fostered by mostly by the growth in demand

for cellular telephone towers, local governments want see detailed plans, offer no engineering help, and insist that someone else take responsibility for all liabilities so that the local government can't be sued. With that as a motivation, Norm covered a number of topics of interest to hams contemplating a tower installation these days: * the design peak wind-loading that must be satisfied; * the types of towers suitable for ham use and their characteristics; * safety considerations, using pipe for masts, and how to install safe ground systems. One of the many memorable points he made was: "Lightning takes all paths and not just the path of least resistance!"

March 16, 2002: Tour of the Historical Electronics Museum Bob Solomon, our tour guide, showed us into the museum's several galleries and left us to explore their well-labeled exhibits on Fundamentals, Communications, World War II Radar, Cold War Radar, Modern Radar, Electronic Countermeasures, Under-seas Electronics & Electro-Optical, and Space.

In "Communications" we gave special attention to the museum's ham station, W3GR. Member Lew Bradley was especially enamored with their early model of a Hallicrafters BC-610 transmitter as he had two of those in his shack on Guam after WWII, one on 10 meters and one on 20.

"World War II" featured the SCR-584 Army Mobile Radar Unit which was "one of the most versatile, accurate, and successful hardware systems used in WWII." Member Joe Herrmann, W4LBL, says the 584 is "his favorite radar."

February 16, 2002: Show-and-Tell at Neighbor's Restaurant The meeting was billed as an opportunity for our members to show off projects worked on during the winter months and favorite radio-related keepsakes. One of the more interesting items shown was the original "Transmatch" given to our president, John Johnston, W3BE, by its designer, the late Lew McCoy, W1ICP.

January 26, 2002: Annual Meeting at Neighbor's Restaurant After a brief business meeting, VP Ray Johnson, K5RJ, introduced newly-minted Extra, Jim Richey, AG4MA, and gave the title of Jim's presentation as "Where Jim was while studying for, and passing, his Extra Class License." Jim then showed viewgraphs and slides of the ocean cruise Nancy and he took, along with over 200 other QCWA members, on the MS Westerdam, between October 27 and November 4, 2001.

Silent Keys We have had three member's keys go silent since the first of the year: February 28, 2002: John J. "Jack" Kelleher, W4ZC March 15, 2002: Frank Kratokvil, K4RE April 4, 2002: Tom Graves, W4PDW

They will all be missed.

Dick Rucker KM4ML

Chapter 102, Dakota

As hot weather approaches, our members are getting more active in ham related projects. Tom - N1OI was part of the South Dakota's Sioux Empire ARC VE Team who held tests in Sioux Falls. John - N0MEA said his group of CW operators are keeping the South Dakota Novice CW net active. He said that the number checkins



Dr Tom Wilson N1OI at his station.

have increased. John and Gary - WA0ZWZ are very active in the South Dakota NEO 80 meter net serving as NCS. Gary also serves as its Net Manager. Frank NU0F was part of a VE Team that gave license test in Rapid City, South Dakota on June 8th. The largest Volks march is the USA was held again on June 1st and 2nd at Crazy Horse Mountain in the Black Hills of South Dakota. Once a year, Volks marchers are allowed to walk the 6.2 mile

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Chapter Reports

hike up to the face of Crazy Horse and view the rock carving close up. Twenty three Ham operators with 2 meter capabilities manned check points at the start, top, 4 intermediate checkpoints, the medical tent and a service vehicle on the mountain. Eleven thousand six hundred people made the trek up to the face and QCWA Chapter 102 people helped with this massive communication effort finding lost kids, equipment and helping with medical emergencies. Frank NUØF, Tom NIØI, Cory WØYMB and Al WAØYRI attended the Hamboree 2002 held in South Sioux City, Nebraska on June 14th and 15th, they also attended the QCWA luncheon.

Who's Who In One Ø Two

Dr. Tom Wilson, NIØI. QTH Sioux Falls, South Dakota. (Former calls W4AQJ, WØAUJ and AJ4C). QCWA #25292.

Early in his life in the mid thirties he became curious about the sounds coming from the old battery powered radio his Grandfather had. Tom found lots of answers in the encyclopedia and he built crystal sets and sounders. A cousin, W4GEN served as an early catalyst. After he was given an old copy of the ARRL Handbook, he read and studied that book, dreaming of how to get into ham radio.

Tom's first appearance before the FCC Engineer in Nashville Tennessee was a disaster. He said the Engineer just looked at my paper and smiling, shook his head, no. Tom was sure he could pass the theory but in those days failing the code ended your day and it would be at least 3 months before the engineer returned. His Uncle, W4WHR helped Tom, when he returned from the Army.

Tom remembered how excited he was when he took the CW test again. He still didn't quite make 13 wpm that day but the engineer did find enough to give credit for 5 wpm. The General class theory was next and 13 endless weeks later in 1953, he received 2 licenses: a Novice call WN4AQI and W4AQI for Technician. Tom's first station transmitter was a 6V6 oscillator driving an 807 to about 50 watts input. His receiver was an old Hallicrafters S38B with a gimmick condenser to make it oscillate and allow CW detection. It was so broad banded he could hear a lot of signals at the same time.

After graduation from medical school and 3 years of pediatric training, what little time Tom had for hamming was on 2 and 6 meter am bands. Tom got his Extra class while on a trip to Dallas, Texas and was assigned the call AJ4C. After moving to South Dakota, he was assigned his present NIØI call in 1984. Three of his children are also hams.

Tom operates mostly on 80 meter ssb and QRPCW on 40 meters. He is a member of ARRL, QCWA QRP ARCI, Sioux Empire ARC and is a VE. Tom said amateur radio is still fun after nearly 49 years of operation.

Roger Kehm KØROG, Vice President

Chapter 106, German

In Memoriam Dr. Gerhard Jacoby DL3ME

On April 8th, 2002 our friend Gerhard Jacoby DL3ME passed away at the age of 91 years just four months after his beloved wife Ulli.

Already in 1927, during his school years, Gerhard had a contact with radio technology and operated a self constructed but illegal broadcasting transmitter in Berlin. The good program of music and classic radio plays was praised by the press. The same year he was lucky to receive his first amateur call sign EK4AT, later D4AT.

During the same year he was fortunate to go to USA in a school exchange for half a year. We assume, that he made contacts with American amateurs at that time.

He studied law at the University of Freiburg, Germany and Sorbonne, Paris and did his doctorate at the University of Rostock, Germany. He was employed for several years at Siemens & Halske as a legal adviser. In 1939 he was conscripted to the army and worked as radio operator and instructor, especially at the encipher ring device. After the war in 1946 he married his wife Ulla. They had two sons and one daughter.

Due to his legal and particularly his linguistic proficiency he worked for the High Commission in Frankfurt for several years. Later he was executive manager of an accounting company in Munich. There he had excellent contacts to the German film industry and often went on business trips to USA, Africa and several countries in Europe, where he made contacts with many hams. In 1951 he received his permanent call sign DL3ME. He was very active with it. In 1971 he joined the QCWA and held the position of the vice chairman of Chapter 106 - German Chapter for many years. In 1980 he was appointed the first non American Director of QCWA. Until his death he was honorary Director of the OOTC. In Germany he was one of the Founders of the German Radio amateur Museum in Munich.

At the large German Amateur radio fair "HAM RADIO" in Friedrichshafen on Lake Constance, he served in the booth of the German Chapter of QCWA and OOTC for numerous years to meet his many friends there. Even at the age of 90 he and his wife Ulli took part in the 2001 General Meeting of the Chapter in the Rhoen. He lived there [sic] from 1945 to 1951 and wanted to see that area again.

During his long life he lived to see the history of Amateur radio unfold. He and his XYL had many interesting stories to tell. Few of us are lucky enough to reach such a great age in relatively good health.

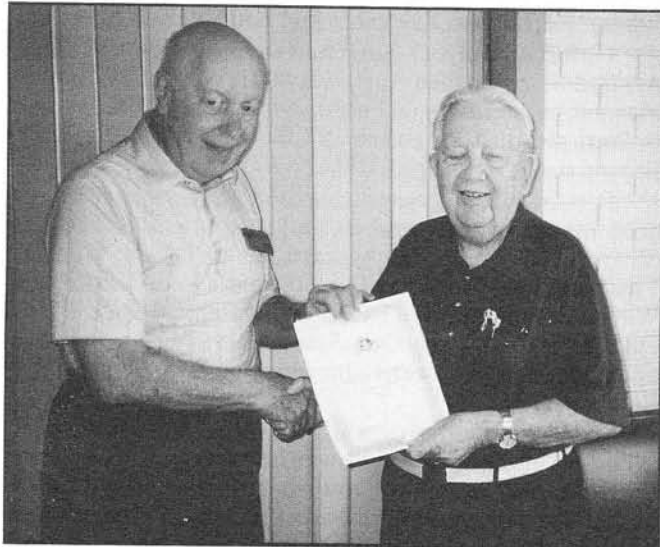
We really are missing him. He was a model for many people. We will always remember him fondly.

Werner Lembcke DL1ZC - Secretary

Chapter 107, Central Florida

At recent meetings we issued certificates commemorating service as Radio Amateurs.

Art Kunst W3WM, a National Director QCWA, while visiting our Chapter meeting in February presented a 70 year certificate to Walt Farley K4QE.



L to r: Croft Taylor VE3CT – Vice President National QCWA presenting 65-year certificate to John Spark W4LHP.



National Director Art Kunst W3WM (l) presents 70-year certificate to Walt Farley K4QE.



L to r: Jack Falkenhof K4BYF (received 50-year certificate), Art Kunst W3WM – National Director QCWA, Jay Hitchcock K8YGH, Croft Taylor VE3CT QCWA Vice President and John Spark W4LHP (received 65-year certificate).



L to r: Jay Hitchcock K8YGH, John Spark W4LHP and Walt Farley K4QE.

Croft Taylor VE3CT, Vice-President QCWA also visited our Chapter in March and assisted in presenting certificates to:

John Spark W4LHP, 65 years

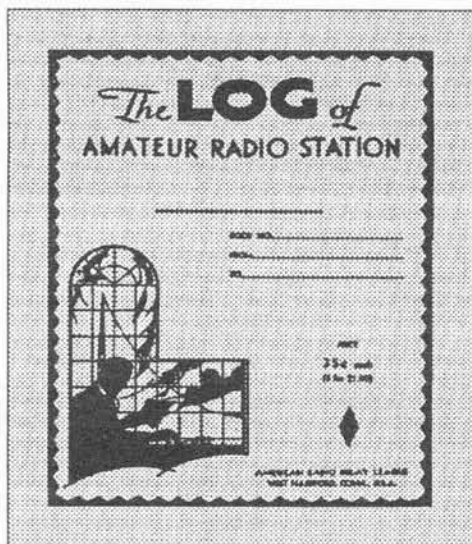
Jack Falkenhof KB4BYF, 50 years

It was an honor to have these gentlemen visit our Chapter meetings.

Jay Hitchcock K8YGH - Secretary/Treasurer

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Our thanks to Tracy Reese, WB6TMY, who fell in love with this era of amateur radio and conceived and furnished the art work.

In cooperation with ARRL, the Quarter Century Wireless Assn., Inc, presents this special edition.

Chapter 123, Iowa

Greetings to all from Iowa. It has been quite a while since we have sent in a Chapter report so there is a year or so of catching up to do! In that time we have added five new members to the Chapter: WA9ENA, Dale Svetanoff; WB0YNX, Tom Brosamile; W0GT, Randy Blazer; K0IC, Ron Erickson; and KA0W, Ken Kreis.

Unfortunately we have had several SKs. W0KUK, Art Reddick, who died August 8, 2001; WA0EAY, Darrell Stevens, passed away on February 27, 2002; W0KRD, Don Bullard, also died on February 27, 2002; and W0CON, Lloyd Brown, passed on May 5, 2002.

It seems as the years come and go the awards start catching up with us, and we had a number of them. Receiving the Century Club Award was Ken Tucker, W0UIZ. Two members received the 50 year Gold Certificate, Wayne Paarmann, W0GNJ; and Ray Rohm, KB0KZ. One eligible for the 60 year Certificate, George Roth, N0LAG, and a Meritorious Award was presented to LeRoy "Baldy" Baldwin, W0OFY.

Every year we set up a QCWA table at the Hamboree in Sioux City, and this year was no exception. We signed up three new members, and met many fellow QCWA members from around the Midwest. Also at noon we had a luncheon and program, with 27 present, representing Chapters 123, Iowa; 102, Dakotas; 25, Nebraska; 8, Minnesota; and 41, Dallas Texas. I highly recommend setting up a table at the different ham fests etc, because you get to meet other members, and usually you can sign up some new ones.



Attending to our QCWA table in Sioux City are Chapter 123 President "Doug" Dougal, WA0UVH on the left, assisted by Chapter Secretary Larry Wacha, K0EDO. Wayne Paarmann, W0GNJ stopped by to chat.

Our Chapter net meets every Saturday morning at 07:30 on 3940. K0EDO, Larry; WA0UVH, Doug; and WA0GQK, John, share the NCS duties.

Larry Wacha K0EDO - Chapter Secretary

Chapter 130, Inland Empire

On a bright clear June day in Upland, California, forty miles east of Los Angeles, a small contingent of Chapter 130 members gathered to partake in the 2002 ARRL Field Day activities.

The event was held at the home of Hugh Graham, W6HG and his wife Marcia. Two operating positions were setup using a motor generator for power. Quarter-wave ground mounted vertical antennas were used for operation on the 20 and 40 meter bands.

Participants included Len Yerger, K6SS whose call was used, Phil Sedgwick N6CMF, and Hugh Graham W6HG.



Left to right: Len Yerger K6SS, Phil Sedgwick N6CMF and Hugh Graham W6HG.

Band conditions were good, all equipment worked fine and the Honda motor generator performed like a champ. In all we totaled nearly 500 QSO's on phone and CW.

We did manage to take time out for a leisurely lunch on the patio, went out for dinner, and then breakfast on the site.

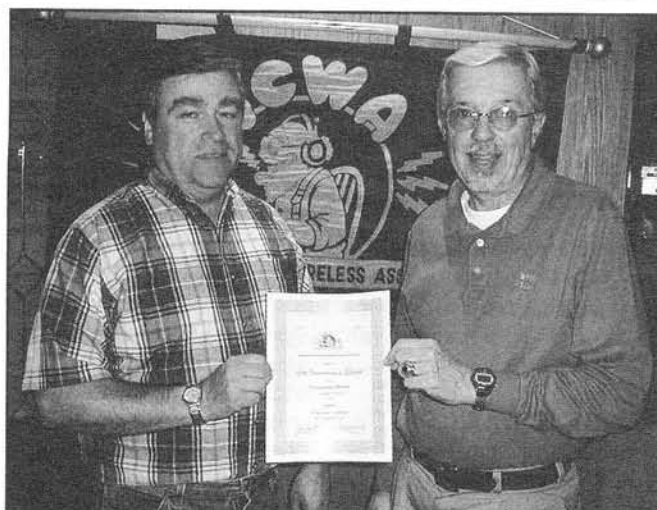
This was the third consecutive Field Day put on by Chapter 130. Many thanks to the participants and a good time was had by all.

Hugh W. Graham W6HG - Secretary/Treasurer

Chapter 134, Pine Tree

The March meeting of the Pine Tree Chapter was held Lewiston, Maine on March 30, 2002 at the Ramada Conference Center. We had our meeting at the ARRL Maine State Convention and for the first time in several years we had no late snow storm to pester us.

A discussion about ways to recruit new members was the main topic. We came up with no satisfactory conclusion beyond the efforts we have already tried. The June meeting was held at Miller's Restaurant in Bangor, Maine on June 8th with 22 members and guests attending.



Chapter President Bill Mann presents 50 Year Anniversary Award to Tom Donohue W1QU

Following the luncheon a 50 Year Anniversary Award was presented to Tom Donohue, W1QU by president Bill Mann, W1KX. Three more awards were available for presentation but due to previous commitments by the recipients the awards will be presented later.

Phil Young W1JTH - Secretary

Chapter 149, Nutmeg

Fifty-four members and guests of Chapter 149 gathered on May 11, 2002, at "G. Williker's" Restaurant in the Clarion Inn at Groton, Connecticut, for Nutmeg's Annual Meeting. An excellent buffet luncheon was enjoyed by all, and our Activities Manager, Cal Bennett W1KHL, received a well deserved round of applause for making the special arrangements. Some members we have not seen for a while showed up for this meeting. It was good to see Jerry Scarano W1ZM and Mike Iacovazzi W1RQF. New member Bob Moseley WA1ZLF, was welcomed into the group. There was a brief moment of respect for four of our members who have recently become Silent Keys: Woody Guile W1EBO, Joe Witkin WB1USN, Ed Franco K1SVH and Laird Campbell W1HQ, better remembered as W1CUT of the ARRL Staff. A 65 year Certificate of Achievement was presented to Earl Smith W1BML. Nothing earthshaking happened when the annual election came up! The President and Treasurer swapped places, and the rest of the Executive Board remained as it has been for the past few years: Wade Holcomb, W1GHU - V. P., Don Steele W1NFG - Secretary, and Cal Bennett W1KHL - Activities/Net Manager, will all serve one more term. Rich Monahan K1FPP is our new President while Paul Taylor K1AFI, is new Treasurer. Al Cohen W1FXQ, introduced Jack McCready, from the U.S. Coast Guard's R & D Center in Groton, who gave a very interesting and informative talk about Counter Terrorism and Technology needs as related to the Coast Guard's Mission. A lively Question and Answer session followed. There was a small raffle after the meeting with the following taking home some prizes: Bill Konrad K1TUK, John Huntoon W1RW, Norm LaFeur

Chapter Reports

guest, Bill Hart KC1TX, Harold Stevens WA1VKK, Cynthia Taylor XYL of our new Treasurer K1AFI, Norma Kornacki W1UBM, Ron Kresge W1ARS and Sandy Monahan XYL of our new President. A great time was had by all, except our Secretary, who was in the hospital recovering from a vicious attack of Diverticulitis!

Don Steele W1NFG - Secretary

Chapter 151, Wild Rose

The year 2001 was an eventful year and yet sad in that two Charter Members Bill Savage VE6EO and Bub Read VE6GG became Silent Keys. This coupled with the fact that many of us are getting along in years and are facing the problems that come with the so-called GOLDEN YEARS. Our Chapter in Alberta has members separated 570 miles and scattered in between. This has made it very difficult to get together for meetings and socializing.

The Golden Years and its blessings of eyesight growing dim, walking becoming more difficult, heart problems and being unable to drive has left us with our only contact with each other to be via our weekly Monday night on the air net.



L to r: Past President Les Card VE6CA, handing over the banner to the new President Ken Oelke VE6AFO.

As of December 31st, 2001, QCWA Chapter 151 almost died out and all members were notified of this happening. Within a week of receiving this notice Ken Oelke VE6AFO accepted the position of interim President and Les Card VE6CA accepted the position of interim Secretary. With the required number of members, Ken notified Headquarters who reactivated Wild Rose Chapter 151. At the present time it is vibrant and we are in the process of rebuilding and accepting new members.

Ken Oelke VE6AFO was the past president of Radio Amateurs of Canada (RAC), our national amateur radio voice. The Amateurs in Alberta were sorry to see him leave RAC but are happy that he has given new life to QCWA Wild Rose Chapter in Alberta.

Les Card VE6CA - Interim Secretary

Chapter 154, Leo Meyerson

On April 11th of this year, the Valley lost one its most popular and well known hams. Robert "Bob" Killeen N6EHR, the "voice of Thousand Palms", became a Silent Key. Although blind and having limited hearing, Bob held an Advanced license. He was the original signer of the Chapter 154 charter. Although he never served in any official capacity, he remained a lifetime member and could always be relied upon to check into the weekly chapter net. His 50th Anniversary Award was issued in March of this year.

Out of respect to the memory of Bob, our April monthly luncheon was cancelled.

The last monthly luncheon meeting of Chapter 154 for the Spring season was held at Marie Callendar's Restaurant, Rancho Mirage on May 16th. A short video entitled "Again They Serve" was shown courtesy of Ms. Denne Howard WB6TCA, an ex-Marine and chapter member. The video is a record of the Semper Fi Memorial group who volunteer and provide their memorial services, gratis, at the Riverside (CA) National Cemetery. These volunteers are all ex-Marines whose personally paid for uniforms proudly display the ribbons of bygone foreign service.

A second video "The Quake of '94," a compilation of actual footage of the Northridge (CA) earthquake was presented. During the video, those who experienced the 'quake' reminisced about that fateful morning and the days that followed.

Chapter 154 will be dark from June through September, restarting our monthly meetings in October.

On May 23rd our Thursday 2-meter net had a new net control in the person of Bob Lo Grasso WA6BL. Bob who holds an Extra license has taken over the duties of Net Control, replacing Bill Dews K6AWO who has resigned his duties after four years of continuous operation as Net Control. Our net meets each Thursday evening at 1830 hours on 145.480- PL107.2.

George M. Underberger W6WAS - President

Chapter 155, Virginia

The latest meeting of the chapter took place at the Wood Grill Buffet on Sunday 9 June 2002. It was attended by seven hams, spouses and 2 harmonics. After dinner, served at 1900 hours, the meeting was called to order. No awards were presented due to unavoidable absence of the honorees. Suggestions for other activities were requested with gratifying results such as a trip to ARRL headquarters, tours of local TV and radio stations, a trip to the National Radio Astronomy Observatory and several others. Members will brainstorm more suggestions by the next meeting. Next meeting is tentatively scheduled for some time in October.

Ernie Sardi -W2EIU Secretary

Chapter 160, Utah



Alvin Rey W6UK, displaying his plaque for 80 years in amateur radio. Photos provided by Lee Hone K7NKH.



George Mackley W17E, came dressed in a Native American beaded outfit, that he had made, it was complete with headdress, moccasins and a flute. George said that carving and tuning the flute had proved to be very challenging but with encouragement of his wife, was able to finally finish the project. He played a few notes so that we could hear it's pure sound. George works with the Boy Scouts and is often asked to share his knowledge of Native American Lore with different groups in the area. It was a most enjoyable presentation.



Fifty-four members and guests turned out for the Mesquite Frolic this spring. Some were delayed by a late snow storm as they left home but by the time they reached Mesquite, Nevada, it was clear and sunny, and the pavilion was packed with people and food.

This fun filled day was followed by dinner at the Oasis Buffet.

Maryellen Vaughan W7CKD – Secretary/Treasurer



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Chapter Reports

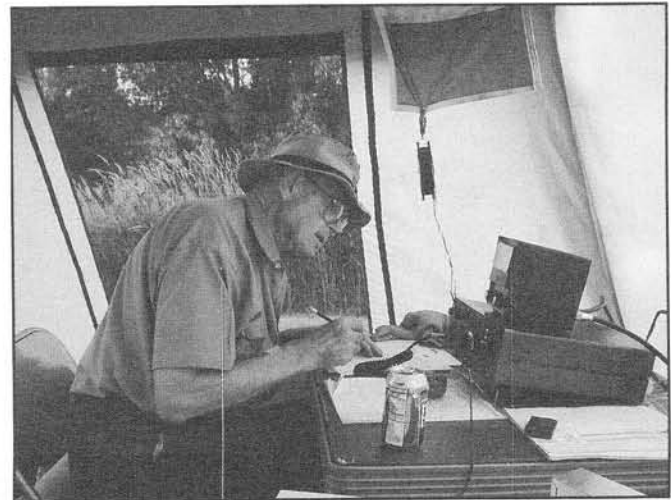
Chapter 162, Southeast Wisconsin

With a sky full of sunshine, the temperatures on the warm side of ninety, during the fourth full weekend in June, members of Chapter 162 gathered on the peninsula at Decision Farm in Racine County, Wisconsin at the prescribed hour of 1800 Zulu to begin the hunt. Armed as 3-Alpha Battery QRP, this group of dedicated individuals launched their flea power transceivers to search the heavens for those wonderful contact points as Field-Day 2002 began its 24-hour adventure.

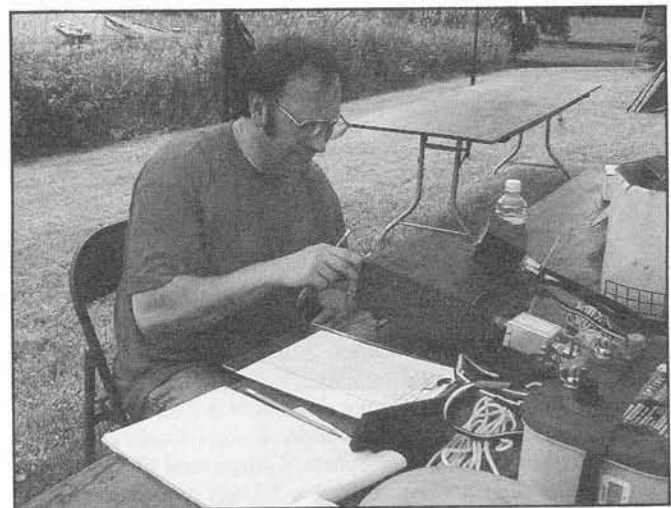
Two lightweight tents and a 20 X 20 Foot canopy offered protection from the burning sunrays, a cooler full of wonderful sandwiches provided by Bonnie (WB9ZKX) and Gene (WB9ZKY) Haney that sat along side two other coolers of iced soft drinks and water brought by Barb and Lloyd (WB9RGO) Gorsiski maintained the stamina for our operators and visitors. Al Algiers W9HR and Dave Geschke AA9HL held court on the 20 and 40 meter CW bands, Ed Konicek W9NVK logged 32 VHF contacts, Dave Whitham K9DQ and Dan Miller KA9OIL garnered 31 75-meter phone connections, and Ken Knoff N9NBC in addition to bring all the batteries and solar panel charging system, gathered in a bunch of points up and down the Amateur HF bands.



Ron Fox K9AKH



Al Algiers W9HR



Dave Whitham K9DQ

But the true spirited "contester" was amply demonstrated in Bob Jensen's (WØWLN) 108 QRP 15-meter phone contacts. In between setting up and tearing down the next day, Ron Fox K9AKH, Spencer Clope W9LDH and Larry McCalvy WA9JMO did a lot of QSOing; some might even have been on the airwaves. Herb Ladwig W9PHJ and Chuck Knotek W9GKM lent their expertise and labor during our initial set-up. Our tally points for the weekend outing were 3205 – our highest score to date. We did have a grand time!



Bob Jensen WØWLN.

Our Chapter was asked to provide communication for the Annual Racine Lutheran High Walk-a-Thon. The event, held the first Friday in May, matched Hams with school teachers/parents at seven check points, two roving vehicles along the walk route, and a station inside the McDonald's restaurant. The latter location to make sure the students continue their venture. We had someone following the last walkers and a net control operator in the school to sort out and direct the questions dealing mostly with where students were. It was a fun three-hour event that the Hams enjoyed while providing a needed community service. Our 2002 Chapter participants were Spencer Clope W9LDH, Ken Knoff N9NBC, Al Algiers W9HR, Herb Ladwig W9PHJ, Ed Konicek W9NVK, Ron Fox K9AKH, Bob Jensen WØWLN, Larry McCalvy WA9JMO and Lloyd Gorsiski WB9RGO. And I would also like to thanks Tammy Gardner KB9SXI, Dennis Demet K9DAD and Kathy Madson N9ZWN for their able assistance in rounding out our communication group.

Larry McCalvy WA9JMO - Historian

Chapter 165, York County

The York County Pennsylvania Chapter 165 held their annual family picnic at the outdoor pavilion of the Keystone VHF Club in York PA on Saturday June 15, 2002. There were 25 members and guests in attendance. Although the weatherman was calling for thunderstorms and we encountered several in a 1-hour period the group stayed dry and comfortable in the pavilion.

As is customary the chapter supplied hamburgers, hotdogs and the soft drinks the members brought the many covered dishes and desserts that made for fine dining in the outdoors.

We always sponsor a silent auction at our picnics and this year was no exception. Some might call these "junk exchanges". Every one brings something from their collection of prized articles and donates them to the chapter. Sometimes it is the same prized article that was acquired at the last picnic.

We always take a group picture and this year was no exception. Take a look at us below.



Left to right: George Adams K3MJN, Ray Shaub W3AXC, Charles Arnold W3PRG, John Shaffer W3SST, Pete Chantiles N3DVO, Tim Burk WA3KYD, Bob Hager K3HOX, John Zett W3FLD, Walt Bilous K3DQB with Jr. Op in front, Bill Steinfelt K3SRP, and Cecil Mundorf K3DCU. Also in attendance, but not in the picture; Lois Mundorif K3UQB.

The next bi-monthly meeting of the chapter will be held Saturday August 10 at the Stoneybrook Family Restaurant. We get together at noon time for lunch. After the meeting the chapter plans to visit the ham shack of Jim Shultz W3MYK to see his restored Collins AM kilowatt broadcast transmitter.

Ray Shaub W3AXC - Secretary

Chapter Reports

Chapter 166, Colonial

The Chapter held a luncheon at Ludwigs Inn in May and enjoyed by all who attended. Charlie Stouth W3ZPP received the certificate for Meritorious Award and Paul Bohlander W3VVS, received his 65 year certificate. Paul was also the speaker and his topic was "How I met my first Ham". It sure brought back lot of memories.



L to r: Paul Bohlander W3VVS and Charlie South W3ZPP at the chapter meeting.

In June we had our annual picnic one of the highlights of the year a goodly crowd was on hand to partake of the Caterer's fine spread. In December at our luncheon we will have guest speaker Professor Robert Carlson telling us "Interesting stories of our US Presidents and their wives" We are looking forward to that.

We also continue to hold our monthly Breakfasts at the Villanova Diner the second Tuesday of each month at 9:00 AM. Always interesting discussions and exchange of ideas for the benefit of the Chapter.

For our October luncheon we will have on hand a speaker who will show slides and tell us about his "Trans-Siberian Trip"

Always on the look-out for new members, we ask our members to canvass their eligible friends to join us.

Charlie Stouth W3ZPP

Chapter 169, Sacramento Valley

Chapter 169 holds a monthly meeting at CARROWS restaurant located at 4601 Watt Avenue in North Highlands, CA. The restaurant is located on the west side of Watt Avenue just north of the Interstate 80 Freeway. Meetings are held on the 2nd Wednesday of each month.

Our monthly meetings continue to have varied subject matter. We saw a very interesting video by PBS regarding volcanoes, a video regarding a 20-year spy in the FBI and a video analyzing why the twin towers in NYC might have collapsed on September 11, 2001.

The group starts gathering around 7 a.m. with a no host breakfast and a meeting starting around 8 a.m. YLs are always welcome. To confirm meeting date/location or to get additional information please contact our President Paul Wolf at (916) 489-8112.

Gary StiIwell KI6T - Secretary/Treasurer

Chapter 175, Oregon Coast.

Only the second luncheon of the year held in Gleneden beach. There were 20 in attendance. We were pleased to have Jim W7UG back with us to give his account of this years Kwajalein experiences. Jim operated during the Feb RTTY contest.. But prior to that weekend operated many modes and bands including WARC. Jim categorized the operating modes and frequencies. He is still making passes at QSLing by the thousands. I was pleased to have worked him using CW on 17 mtrs...maybe you did too. He is a smooth operator. and told us about the first class treatment he received by the personnel there.

Our chapter is trying to become active on the weekly Wednesday morning 75 meter net. I think even a short antenna will do the trick. We shall see. The weather is warming enough to make some A/B tests.

Hobie W6TCA.

Chapter 177, Floyd "Lucky" Henderson

The 117th meeting of the Floyd "Lucky" Henderson Chapter 177 of QCWA was held on April 24, 2002, at the Jurupa Mountains Cultural Center, a natural science museum, exhibit ground, and educational facility near Riverside, CA, with chapter president Nick Rodillas, N6RND, presiding.



Attending the Chapter 177 meeting April 24 at the Jurupa Mountains Cultural Center were: Front (l-r) Bob W6LKN, Cliff W6NSN, Dorothy K5JWU, Nick N6RND (President), Jim K6JAD (Vice-President); Middle (l-r) Chuck W6IEG, Joe W6UBQ, Andy W6KPA, Fred W6TKV; Back (l-r) Chuck W6WUG, Curt WA6RYK, Bob W6PQM, Arlo WA6UDR.

First on the program was the presentation of QCWA Gold Certificates to eight chapter members who have been licensed for 50 years or more: Gordon Johnson, WA6RNS, 70 years (+1); Cliff Lundquist, W6NSN, 65 years (+3); Arlo Myers, WA6UDR, 60 years (+3); Chuck Allessi W6IEG, 60 years (+1); Harold Spaulding, W6BAF, 55 years (+1); Andy Anderson, W6KPA, 55 years; Joe Brown, W6UBQ, 55 years; and Fred Roberts, W6TKV, 50 years. WA6RNS and W6BAF were unable to attend this meeting, and received their certificates by mail. The other awardees each gave a brief summary of how he got started in ham radio. Following this, a special plaque of appreciation from chapter 177 was presented to Cliff Lundquist, W6NSN, for his faithful support and many contributions to our chapter.

Next, Mary Bums, executive director of the Jurupa Mountains Cultural Center, described the origins and mission of the Center, and its various educational and informational activities. Finally, chapter members were given a tour of the Center's grounds, museums, and exhibits by Cliff Lundquist, W6NSN, a member of the Center's board of directors.

On May 11, the annual chapter 177 potluck picnic was held at the QTH of chapter vice-president Jim Henderson, K6JAD. About 45 chapter members, spouses, and guests, including 30 licensed hams, turned out in beautiful weather for this annual event, which has become famous for food, drink, and fellowship and for the opportunity to view Jim's fabulous collection of antique and classic radio gear, ham equipment, bugs & keys, tubes, etc. A grand time was had by all.

Arlo Myers WA6UDR - Secretary/Treasurer

Chapter 182, Northeast Tennessee

The 2002 Spring Meeting of the QCWA Northeast Tennessee Chapter 182 was held at noon on the 20th of April in Kingsport Tennessee at Wright's County Cuisine Restaurant. The meeting was attended by 15 members and guests. Attending were; WB4ANX John Sanders (President) and XYL Mary, K4OZX Charles Perry (VP), W4CZ William D. Price (Sec/Treas.), WA4NZT Dillard Graham (Past President), KI4V Bob Lane and XYL Lena, W4DNZ Phil Poling, N4TN Don Jones, W4EHI Don Gilbert and XYL Barbara K4RRN, WU4W H.H. (Ozzie) Osborn, Jr. and XYL Caroline WS4Z, W4VS Bill Owen and KB4JTA Willard Caudell (Guest).



L to r: Standing: Don Jones N4TN, Bill Owen W4VS, Charlie Perri K4OZX(VP), Don Gilbert W4EHI and Ozzie Osborn WU4W. Seated: Bill Price W4CZ (S/Treas), Phil Poling W4DNZ, Dillard Graham WA4NZT, John Sanders WB4ANX (Pres) and Bob Lane.

An open forum was held with comments from each member on their original licensing date and most memorable times in amateur radio. John WB4ANX, related his recent recovery from some recent health problems. John was accompanied by his XYL Mary. Charlie K4OZX,

commented that John WB4ANX, gave him his Novice test in '68. Don N4TN commented that he received his Novice ticket in '54. Don N4TN went on to be a Morse interceptor in the US Army. Bill W4CZ commented on his days in the early 50's with Don N4TN of staying up all night with Don working with his Eldico 40 watt transmitter (plug in coils for band change!) and National S-38C receiver. Bill W4CZ commented on receiving an FCC Radiotelephone license in '55 with the Civil Air Patrol and his Novice ticket in '62 after a four year stint in radar operations with the US Air Force. Don W4EHI, commented on his Novice ticket in '60. Related his and W4CZ's RTTY operations in the early '60's with the old MARS mechanical RTTY units. Don was accompanied at the meeting by his XYL Barbara K4RRN. Bill W4VS commented on his 50 year continuous licensing. Phil W4DNZ was first licensed as W9DNZ in '46. Holding several different calls around the country and finally settling in Tennessee and being able to get back his "DNZ" from the FCC. Dillard WA4NZT, commented on his efforts in Lee County of SW Virginia to help teach the locals enough to get into amateur radio. This action has resulted in 50+ new licenses in his area. KI4V Bob Lane commented on receiving his license in '49. Bob was accompanied by his XYL Lena. Guest WB4GTA Garland, commented on getting interested in amateur radio because of his father-in-law Charlie K4OZX. WU4W Ozzie commented on receiving his Novice license in '52 as WN8AUV, Tech in '55, General in '60 (K4DYB), Advanced in '70 and Extra in '83.

The true highlight of the meeting were comments from Ozzie and his XYL Caroline WS4Z. She is an AMSAT member and avid satellite enthusiasts. Ozzie and Caroline "Wintered" in Florida this year from the mountains of North Carolina, and returned this Spring. Caroline was anxious to get back to her satellite operations and turned on her YAESU FT-736R to start searching for the orbiting "birds". Horror of HORRORS! The display did not come on when she powered up the unit! Inspecting further, she opened the cover to discover it filled with RICE! Picking up the unit to take it to the work bench, it began discharging SEVERAL bits of harness wiring about an inch long! During their absence this past winter, a local colony of mice had decided to take up residence in her FT-736R!.....Now this folks is the "TRUE" meaning of the term "RICE BOX"! Off now to the factory, she is holding her breath on the repair bill! Discussions were held relative to increasing membership and possible candidates in the local area. Several good will exchanges between all those attending shows the great fellowship that is produced by our common interest in amateur radio. Our current roster, of paid up National and local QCWA members, stands at 27. After a very fine meal, the meeting was adjourned at 1:15 PM.

William D. Price W4CZ - Secretary/Treasurer

Chapter Reports

Chapter 196, Edison

It is only a few days until Field Day 2002. Chapter 196 will be working cw/qrp with the club call K4QCW using solar battery power from a remote location in south-west Florida. Many of our members will be working from the Fort Myers Amateur Radio Club location in Lehigh Acres, Florida. Last weekend was Kid's Day on the air and both of these exercises are excellent opportunities to bring interest in the hobby that we all love. Be sure to look for photos on the chapter's web site that is cleverly put together by Jan Scheuerman WA2YL.

Jan is spending the summer with her family in New Jersey but she still keeps in touch with messages forwarded by the National Traffic System. It is always nice to get a birthday greeting or get well wishes through the NTS from friends across the country.

Charter member Jeff Beals WA4AW, has been appointed the South Florida Section Technical Manager for the ARRL and he recently nominated our own Mike Gurka K2UGH, to a position as Technical Director for Lee and Charlotte counties. Congratulations to Mike for his recent appointment by Phyllisan West KA4FZI, the SFL Section Manager. Mike is volunteering his time, knowledge and experience to the local radio community. Mike's XYL, Stella WA2FAU, has recently accepted the Gulf Coast Repeater Club's offer to be a very active secretary for that local group that has five repeaters in the area. The Gurkas are a special ham radio family and have been for many years. Mike and Stella recently organized a PSK 31 club and were lucky enough to obtain Mike's Mom's call, W2UXL, as a memorial to her.

Since our last newsletter, our beloved Chappy Chapman W6VIF, entertained the lunch group with some very funny jokes that kept us laughing for a long time. The spirit of our chapter is very low keyed and extremely friendly. From time to time we have a guest speaker or a formal program. We all enjoyed meeting Jo Ann De Baugh and she told us about an international exchange organization that was about to bring in about twenty people from Russia to visit the area. Several of the guests were hams and Jo Ann was looking for host families to provide housing and transportation for the foreign guests. Friendship Force is the name of the travel company that has created this great opportunity to share cultural experiences all around the world.

There are many fine advertisers in the Journal. One such company is PhotoPOSTOS. I had the need to inquire about their products and they sent me a sample pack of very useful products that any ham could use. The samples will be taken to our next luncheon and I will hand them out to all those interested.

It is always nice to be able to mention a recent upgrade. Sir Ivan Davies KF4WBN, is now an Amateur Extra and Ivan will hopefully take charge of our VE team. The VE team is one of our newest projects and it has a lot of support from the membership. Ray Shetrone WA8WFL, has that position now but his recent health concerns have taken precedence. We all hope Ray feels better real soon!

Tad Burik K3QC - President

Chapter 205, Eastern Indiana

Our chapter continues to have monthly meetings for breakfast on the Saturday following the second Tuesday of the month. That sounds more complicated than it is, since it really means it follows the regular monthly meeting of the local radio club. We have been rotating between several spots in Richmond favored by members to make things a bit more convenient for members coming from different parts of the county. It also means paying attention to the meeting notices to be sure where the others will be found at 0800 local time. One of our members, Dick Sears, NN9V, had a frightening experience on the way back from a trip west, which he reported at our last meeting. It seems the rear suspension on his car broke while crossing an interstate bridge, causing total loss of the car. Fortunately he and his wife were not seriously hurt.

A big push on upgrading is bringing the group ever closer to all members holding Extra Class licenses. We hope to be at that point by the end of the year even with the addition of new members. So far we have been able to recruit new members from the local radio club, and now we are starting to look outside to the others in the surrounding area who are not affiliated with any radio club at the present time. Getting and holding new members from that pool of possible recruits will likely mean developing more of a program than just our breakfast meetings, and discussions have begun along those lines.

Anyone passing through the Wayne County area in Indiana is invited to ask about the chapter and its activities using our local repeater (N9JM) at 147.270+, and to join us at our monthly meetings.

John F. Strain W9MIU



**Cook up some Chapter Reports by
October 1st, 2002**

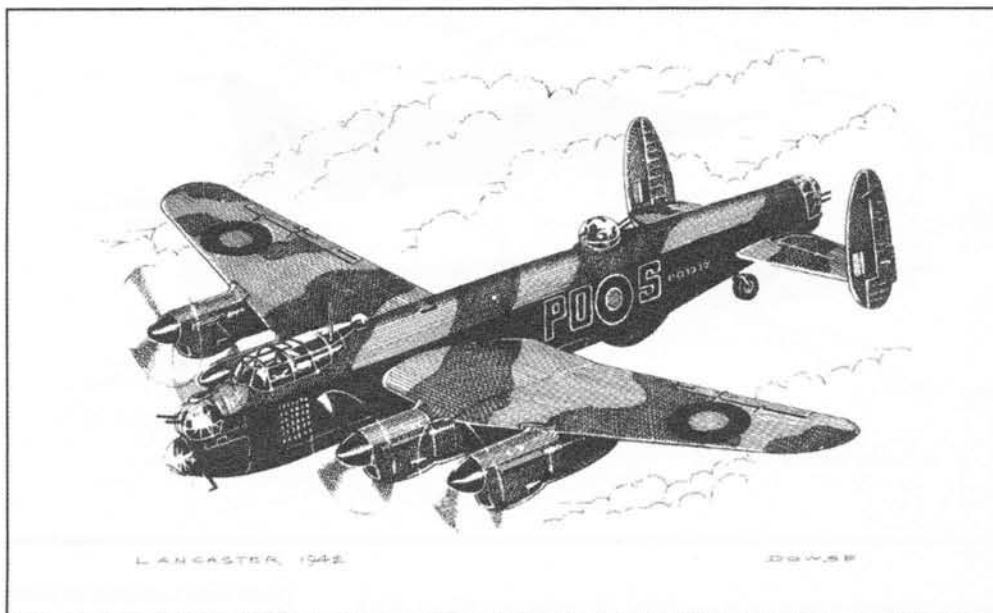
The Royal Air Force Amateur Radio Society

Flt Lt (Retd) Everett Brown, K4EF (RAFARS 2608)

Since its beginning, the RAF has had a close relationship with Amateur Radio. It goes back to 1919 at No.1 (T) Wireless School at Flowerdown where experimenting by individuals was encouraged and they were expected to use their initiative. In 1924 Flt Lt Durrant at Gosport set up a network on 30 metres by designing a simple transmitter using the VT5B valve from the T19 transmitter and passing the circuit diagram and construction details to the signals personnel in overseas stations. He linked Signals Stations at Malta, Cairo, Jerusalem, Baghdad, Shibah, Mosul, Delhi and Hong Kong with a nightly schedule at 7pm. These provided exotic contacts for world wide amateur operators as well as keeping RAF Signals personnel in close touch.

A very popular British amateur in the 1920s was Gerry Marcuse (G2NM) who frequently joined the RAF short wave net. On one occasion in 1924 all of the RAF stations lined up for Gerry who was demonstrating his station to the Admiralty. Each of the stations from Malta to Hong Kong checked in with strong signals in a space of about 15 minutes which was most impressive to the RN. The official communications between these far flung bases were provided by the Inter-Command high power long wave network which on one occasion, due to poor radio conditions, was unable to pass an urgent message from "Mespot" to the Air Ministry in London. Much to the surprise of officialdom, the message was passed in a few minutes by the amateur network with a relay by Malta. This called for an official inquiry with the amateur participants required to provide circuit details of their equipment. It wasn't long before the amateurs became the official RAF short wave Inter-Command network operating at much lower power yet providing reliable communications. Thus, the reputation of Amateur Radio was established in the RAF.

Another service provided by the Amateurs were messages to family or girl friend from lonely RAF members in remote corners of the globe. For a charge of 20 cigarettes a message would be sent to Flt Lt Durrant containing the address of the recipient as well as the message, and a post card would be mailed. This was a very popular convenience until the GPO heard what was going on and objected mightily fearing lost cable/telegram business with the result that British hams were forbidden to handle third party messages. (In the US, very active traffic nets flourished, handling non-commercial traf-



fic). An additional advantage of the RAF Amateur stations was to provide an outlet for wireless operators to have informal chats and maintain friendships with other Signals personnel and Amateurs world-wide whilst strict discipline prevailed on the Service W/T channels and woe to the operator who deviated from "correct procedure". These additional outlets were a great advantage to the Service because it allowed operators to hone their skills and become more proficient.

With the move from Flowerdown of No.1 Electrical and Wireless School to brand new buildings at Cranwell, Amateur Radio came into its golden age in the Service. Senior officers at Cranwell recognized the merits of the learning induced by pursuing all aspects of the radio art as a hobby. The Amateur group was fortunate in having able leadership within its ranks provided by F S Wally (Ginger) Dunn (G2LR). The Radio Society of Great Britain, the national representative of Radio Amateurs in the UK was welcomed to participate by the Station staff and its Secretary, John Claricoats (G6CL) was a frequent visitor to the station. (When I was at Cranwell in 1942 "Clari" was very much in evidence and earlier at a ham gathering in Leeds he took my picture and I appeared with Art Blachford VE3AHX and Charles Kirk G4CL in the RSGB T & R Bulletin for September 1941. It should be noted that Charles held the call ZB2A while serving in the Army at Gibraltar in the 1930s, after pestering the colonial authorities for several years to let him operate. As I write, I have a RSGB Certificate of Membership on my wall dated August 1941 - thanks to Clari).

The Ham population at Cranwell grew rapidly in the mid 1930s and after many informal meetings in the labs with presentations by members and others it was obvious that a per-

(a) To promote and foster Amateur Radio activities within the Royal Air Force.

(b) Through Amateur Radio, to maintain and foster the close bonds that exist between Radio Amateurs who are serving in the Royal Air Force and those who have retired from or have close association with the Royal Air Force.

In addition to the administrative work, operating activities went on with participation in the National Field Day in 1937 (placed 5th) and 1938 (placed 1st). Lincolnshire had (and has) a

concentration of Amateur Radio operators who have supported the Cranwell activities and visits were arranged for the "locals" starting in 1934 when a Valencia flying classroom was demonstrated and tours of the labs took place. A number of "hamfests" or ham gatherings were organized in Boston, Spilsby, Louth, Lincoln as well as Cranwell. In 1938 a tour of Pye Radio at Cambridge took



manent meeting room was essential. In order to achieve this it was necessary to have a formal club with membership open to all airmen. At the organizing meeting of 50 people in May 1936, the "Cranwell Amateur Radio Transmitting Society" was born. A committee was elected which drafted the rules and regulations and F S Dunn became the first General Secretary. A hut on the fringe of South Aerodrome was authorized by the benevolent Station Commander as the "HF Experimental Laboratory" which qualified it for provision of power, furniture and works services.

A huge 36 element fishbone directional aerial aimed at the Far East was erected with suitable transmitting and receiving equipment inside the hut and the call sign G8FC was issued. It is interesting to recall that Cranwell was served with 230 volt DC power with some huts a positive earth and others a negative. This made power supplies difficult and noisy motor generators were the solution.

Not even F S Dunn's posting to the Sudan dampened enthusiasm. In January 1937 the first issue of the Club publication "QRV" went out to local members and ex members around the world as the Cranwell trainees dispersed. This scattering called for an officially recognized Service-wide Society and in April 1938 an Air Ministry Order, N242/38 created the Royal Air Force Amateur Radio Society. This caused a flurry of activity at Cranwell to create an Headquarters organization, a Constitution, define the Aims of the Society and process the dozens of applications for membership which resulted from the AMO. The Cranwell Amateur Radio Transmitting Society ceased to exist. The Aims of the new Society were documented as follows:

place with transport of some 20 Amateurs in the Valencia flying classroom to Duxford and then by road to the Pye factory. In August 1939 at the outbreak of war the GPO collected all Amateur transmitting equipment for security. A large GPO van arrived at Cranwell to load up the G8FC equipment, and as each piece was examined it met with: "Sorry, but that's on inventory". An exception was a quartz crystal which was the single item confiscated!

During the war years Amateur Radio was far from dead, even if we were prevented from transmitting. I vividly remember listening to US Amateurs on 20 meters on a R1155 in 1941 on a Fighter Station in Yorkshire but never yielded to the temptation to switch on the T1154. As I mentioned above John Claricoats of the RSGB was very active in promoting Amateur gatherings and had an uncanny ability to seek out candidates. He seemed always welcome wherever hams existed in the Army, Navy or Air Force and kept us constantly aware of our hobby. From my observations, Amateurs were frequently the leaders in Signals Units and excelled in technical knowledge and ability to make radio equipment function under impossible conditions.

In March 1946 Amateur transmitting was again permitted and many Wireless Operators and Technicians who were trained in the military became licensed hams. Most built their own equipment and the extraordinary volume of war surplus radio units and parts made this inexpensive and easy. The RAFARS station G8FC at Cranwell was upgraded and F S Dunn was back as General Secretary with emphasis on new members being enrolled and old members brought back into the fold. The wide distribution of the Society publication QRV did much to reunite the "family". (QRV is Morse shorthand for "I am ready").

No.1 Radio School (as it was now known) moved from Cranwell to Locking in 1951 and RAFARS Headquarters moved with it. F S Dunn, G2LR provided leadership assisted by Clerk of Works Harold Andrews, G5DV and a hut was allotted. A SNCO post was established to give Morse instruction to Aircraft Apprentices and the call MRM was used with a T1509 transmitter to broadcast Morse practice - activities which ensured official support for the Society HQ building. The operators used G8FC equipment and aials to keep in touch with members around the world. In 1962 G8FC was upgraded to a Collins S line including the linear amplifier and a Telrex beam - the best equipment available! With the closing of Locking in 1998, RAFARS Headquarters moved to Cosford where it is presently located in its own building equipped with modern amateur transmitting equipment.

In the immediate post war years the RAF continued to man stations around the world and RAFARS supplied 25 watt transmitter kits to put station clubs and individuals on the air. These combined with the Cranwell and later, the Locking head-quarter stations kept the Signals personnel in touch with the UK, just as they had in 1924 (but now without third party traffic). Another feature of this era were the expeditions manned by RAFARS members in such remote places as Antarctica, Kamarin Islands, Isle of Skye, Kuria Muria, Australian Outback, Honduras, Steep Holm, Scilly Isles and Ellesmere Island. Financial backing for some of these expeditions was provided by RAFARS.

Members take part in both internal and external contests, most of which have the objective of working as many other stations as possible to form the basis of a "score". The RAFARS four yearly internal contest scores are based upon contacting as many Members as possible. In addition the Society fields teams of operators to compete in three external contests. The Home Constructors Cup is awarded at the Annual General Meeting each October to the member who submits what is judged the best electronic unit. The AGM locations are varied to make it more convenient for members to attend.

During the 1980s membership in the Society soared from 600 to 1800 and at present is about 1600. The vast majority are spread throughout the UK with some 80 around the world.

Most are licensed amateurs but 50 short wave listeners are included and in fact anyone interested in communications with an RAF affiliation of any kind, past or present is welcome. With the large expansion in the 1980s and consequent dispersion of the membership, 80 Area Representatives were appointed to spearhead RAFARS activities in their areas. The responsibility for Lincolnshire rests with my good friend Peter Hanson, G0NVY in Sleaford. If you are interested in joining the Society and have questions, Peter's Email address is "peter@g0nvvy.freemove.co.uk". Alternatively, the web site "www.rafars.org" contains a Request for Information Form which, when filled in, will go directly via Email to the Administrator at Cosford. The current Membership Application Form also may be downloaded at this site. For telephone inquiries call the Administrator at 01902 377878 between 1000 & 1200 hrs, weekdays.

Member Supplies

Certificates

- ♦ Membership Certificates are numbered in serial order and are issued to each member. Numbers are not reissued except to the same member to whom they were first issued.

- ♦ QCWA Gold Certificates celebrate the 50th anniversary of licensing. Issued without charge to eligible members upon proof of year of first license.

- ♦ Gold Certificates are issued in five-year increments; 55, 60, 65, 70 and 75-year certificates free of charge to eligible members.

- ♦ Fifty Year Continuous Licensing Gold Certificate available to eligible members. Requires submission of proof of continuous licensing. There is a \$5 fee for this certificate. Applications are available from QCWA Headquarters.

- ♦ QCWA Century Club Certificate is issued to QCWA members whose age, when added to their number of years as a QCWA member totals 100 or more. No charge for this certificate.

- ♦ Headquarters issues Meritorious Award Certificate upon request of any active QCWA chapters. One such award is authorized for each chapter each year. The award may be given to recognize unusual dedication to QCWA or amateur radio. No charge for the award.

Operating Awards

- ♦ The Activities Manager issues QCWA Operating Award Certificates to QCWA members. Proof of eligibility is required.

- ♦ QCWA Worked 50 States Awards are issued to QCWA members who have contacted members in each state of the union.

- ♦ QCWA Worked 100 Members Awards are issued to QCWA members who have contacted at least 100 QCWA members.

- ♦ QCWA Worked 60 Chapters Awards are issued to QCWA members who have contacted members of 60 chapters.

- ♦ QCWA Worked 500 Members Awards are issued to QCWA members who have contacted 500 QCWA members.

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- ♦ QCWA Cap with logo -\$15

- ♦ QCWA Chapter Banner -\$200

- ♦ QCWA Decals -\$1

- ♦ QCWA QSL cards - (see ad elsewhere)

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R.C.A. INSTITUTES
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R. C. A. Institutes offers a carefully arranged curriculum leading to a diploma in The Science of Electrical Communications. Physical Sciences and the specialized branch, Electrical Physics, are given particular emphasis since these subjects are basic to all branches of Electrical Communication.

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Each subject has been selected and is taught with consideration of its relationship to all other subjects in the course. In order that proper balance may be maintained, electives have therefore been eliminated.

An outline of the General Course is shown on the succeeding pages. It should be noted that there are five terms, and, since the school is organized on a tri-semester (three months term) basis, the total time required to complete the course is therefore 15 months in the day classes. The evening course requires three years for completion.

ENTRANCE REQUIREMENTS

Applicants for registration in the General Course should have satisfactorily completed a four-year high school course, or its equivalent, which has included 1½ years of algebra, 1 year of plane geometry, and 1 year of physics.

Applicants over 18 years of age, lacking the above prerequisites, may become eligible for entrance by completing the Institutes' Preparatory Course. This course requires one term (12 weeks) for completion in the day school and two terms in the evening school. The tuition fee for the Preparatory Course is \$80.00. The fee is payable \$10.00 with the application and the balance at the rate of \$6.00 per week in the day school and \$3.00 per week in the evening school.

ENTRANCE DATES AND TERM SCHEDULES

Summer Term — Starts June 1, 1936
 Fall Term — Starts Sept. 8, 1936

1936 Pamphlet of RCA Institutes Course on Electrical Communications

EXPENSES

Matriculation:—A matriculation fee of \$10.00 is required for registration at the Institute. This fee will be credited towards the tuition upon acceptance of the registration. If not accepted, it will be returned to the applicant.

Tuition:—In order that the burden of the expense of education may be as light as possible, the tuition fee of \$580.00 is payable at the rate of \$10.00 per week in the day school and \$5.00 per week in the evening school. This fee is all-inclusive except for textbooks and supplies, since there are no laboratory fees, no athletic dues, or extra charges of any kind such as are customary at many educational institutions.

Supplies:—The total cost of textbooks and supplies for the five terms' work need not exceed \$50.00, or an average of \$10.00 per term.

OUTLINE OF COURSE

A tabular outline of the General Course, day class, is shown below. This table shows the number of periods per week assigned to each subject of study in each term. Where but one number appears opposite a subject, as "Algebra III.....5," reference is to lecture periods per week; where two numbers appear, as "Electrical Physics 10.....4," the first number refers to lecture periods per week and the second number to laboratory, drafting or conference hours.

First Term:—			Fourth Term:—		
	Lecture	Lab.		Lecture	Lab.
Physics II	10	—	Audio Frequency Eng. I	5	4
Trigonometry I and II	5	—	Radio Frequency Eng. I	5	4
Algebra III	5	—	Calculus III	3	—
Drafting	—	6	Acoustics I	5	—
English I	2	—	Code	—	2
History of Science	2	—	Inspection Trips and Special Lectures	—	2
Hours per week	24	6	Hours per week	18	12
Second Term:—			Fifth Term:—		
	Lecture	Lab.		Lecture	Lab.
Physics III	5	—	Audio Frequency Eng. II	5	4
Electrical Physics	10	4	Radio Frequency Eng. II	5	4
Calculus I	3	—	Code	—	8
English II	2	—	Radio Laws	2	—
Code	—	6	Inspection Trips and Special Lectures	—	2
Hours per week	20	10	Hours per week	12	18
Third Term:—					
	Lecture	Lab.		Lecture	Lab.
Vacuum Tubes	5	5			
Alternating Currents	5	5			
Code	—	2			
Physics IV	5	—			
Calculus II	3	—			
Hours per week	18	12			

The evening class follows the same general outline of study, but, as the duration of the course is three years, the hours given above do not apply. Day classes are in session from 9 A.M. to 3:50 P.M. Evening classes meet from 7:00 P.M. to 9:50 P.M.

DESCRIPTION OF SUBJECTS

Physics II:—Mechanics—harmonic motion—electricity—magnetism.

Physics III:—Heat-wave motion—sound—reverberation—reflection—acoustical devices and treatment.

Physics IV:—Light—reflection—radiation—refraction—lenses—application of light to communication work.

Electrical Physics:—Lecture and laboratory. An advanced study of electricity and magnetism with special emphasis on application to electrical communication.

Alternating Currents:—Lecture and laboratory. Covering the measurements and calculations involved in a-c circuits. Stressing the action of non-sinusoidal currents in electrical communication systems.

Trigonometry:—Trigonometric functions of one angle—relations between trigonometric functions—right triangles—functions of large angles—graphical representation of trigonometric functions—functions of angles combined.

Algebra III:—Review of algebraic rules and operations, and graphs—the solution of simultaneous linear and simultaneous quadratic equations—the use of determinants—the development and use of the binomial theorem—progressions and infinite series—ratio, proportion, and variation in engineering problems—four forms of the complex number, their derivations, interrelationship, and uses in engineering computations.

Calculus I:—This course develops the facts of analytic geometry that are of commercial value in themselves and those prerequisite to the study of calculus. The student's previous mathematical studies have provided him with a fund of knowledge in algebra and geometry, but still little knowledge of the relationships between the two. Analytic geometry serves this purpose, and as he studies this material he learns that many algebraic expressions and operations may be indicated and performed geometrically and vice versa. The engineer makes use of the truths of analytic geometry to write algebraic expressions for the curves or other geometric diagrams obtained experimentally.

The study of differential calculus is introduced and continued through the differentiation of algebraic functions and the location of maximum and minimum points.

Calculus II:—Characteristics and equations of the circle, parabola, ellipse, and hyperbola. This material is used in conjunction with the process of differentiation to derive desired facts about these engineering curves. The processes of integration of algebraic and transcendental functions are studied in detail. Their use in radio engineering problems is shown by examples.

Calculus III:—This unit continues the study of integration and the work is illustrated by many problems. The applications of calculus to engineering formulae and problems are stressed. The material for this course is drawn from advanced communications as well as the calculus text.

English I:—A review of English grammar and uses as a literary aid so that engineering reports and letters may be clear, concise, and grammatically correct. The composition of reports and letters—their purposes. How improper or poorly drafted reports injure the writer.

English II:—Readings of reports and engineering compositions of eminent scientists as examples of clarity and content. Preparation and reading of reports by students; these reports to be taken from their laboratory work. Much time is spent in class-room discussions for practice in addressing groups of persons.

Drafting:—This unit provides instruction in the proper use of drawing instruments—preparation of rough drawings—tracings—lettering—standard symbols—mechanical drafting.

Radio Laws:—Radio Communications Act of 1934—International Telecommunication Convention—Federal Communication Commission Rules and Regulations.

Code:—Instruction and practice in sending and receiving signals in Continental Morse Code—use of standard abbreviations—procedure in handling traffic—manipulation of commercial receivers.

Acoustics:—Sound-wave motion—reflection of sound—interference—absorption of sound—some effects of reverberation—absorption coefficients—measurement of sound—reflecting characteristics of interiors—the acoustical design of buildings.

Audio Frequency Engineering I:—Lecture and laboratory. Design, construction and measurements of audio frequency amplifiers and associated devices.

Audio Frequency Engineering II:—Lecture and laboratory. Applications of audio frequency equipment to radio broadcasting, sound motion picture recording and reproducing and related fields.

Vacuum Tubes:—Vacuum tube fundamentals—diodes—triodes—graphical solutions—analytical treatment—applications of analytical treatment—photo-electric cell—cathode ray tubes.

Radio Frequency Engineering I:—Receiver circuits, measurements, calibration, alignment and operation.

Radio Frequency Engineering II:—Radio telephone and telegraph transmitters, measurements, construction, modulation methods and power supply.

R.C.A. Institutes, Inc. reserves the right to change the curriculum, rules governing admission, tuition, and the issuance of diplomas, or any other regulations affecting the student body, and such changes shall go into force whenever R.C.A. Institutes, Inc. may determine and shall apply not only to prospective students, but also to those who may be matriculated at the time. Further information relative to School regulations is contained in the General Catalog of the School.

RANDOM RECOLLECTIONS OF AN OLD HAM

-by George Hart W1NJM

(A journalistic history of the life and times in Amateur radio of George Hart, W1NJM)

THE RADIO CLUB

When W3NF acquired its "big signal" in 1929 we made many more contacts. One of them was W3AFE in Catasauqua, a suburb of Allentown. He invited us to his house to attend a meeting of "the club," a group of hams in and around Allentown who got together at his house on Friday nights. One Friday night Bunch and I decided to take him up on it. Charlie Milson, W3AFE, turned out to be a rotund, sizable and very jolly Pennsylvania Dutchman. He had his amateur gear in a medium-sized room on the third floor of his parents' house in West Catasauqua. When we got there, the elderly man who opened the door for us directed us upstairs, and there we found an assemblage of about six hams. They hadn't expected us, and in the true Pennsylvania Dutch fashion there was no cordial greeting, but after a brief silence Charlie sprang to his feet.

"I'm Charlie Milson, W3AFE!" he boomed, shook our hands warmly and introduced us to the others. "Dutchmen" are inclined to be taciturn but are very friendly when the ice is broken, and a mutual interest in ham radio quickly accomplished this. Others that I recall in the room were Nick Stavrou, W3AWB; Herb Snyder, W3CJN; Norm Stiedle, W3ATS; Pres Schuler, W3BYF. It was a congenial group, very informal, subjects discussed not all having to do with amateur radio.

I'm not sure whether the club was formalized later or that it already existed when Bunch and I came on the scene. I tend to think the former. I do know that I was the youngest, by several years, and often referred to as "the kid." In any case, the Lehigh Valley Amateur Radio Club was duly formed and because of my flair for writing I was the first or a very early secretary. The club is still in existence today. During 1929, 1930 and 1931, I became a regular Friday night attendant at the LVARC meetings. I recall a number of trips Bunch (we'll start calling him Ed now) and I made to Allentown in his little red flivver. It was a second hand Model T, painted red by a former owner, because a new Ford was "available in any color you want as long as it's black." It was, I believe, a 1924 model that had seen its best years and was getting highly temperamental. I remember especially one trip we made to Allentown in the dead of winter, bundled up in overcoats because few cars in those days had heaters. We had to thaw out the radiator before we started, because it was frozen solid. Usually, once thawed and the engine warmed up there was little danger of its freezing again unless it sat for several hours, but this night the temperature got down close to zero. We made it to the club meeting (believe it was still at Milson's shack in West Catasauqua), but when we came out to start the journey home we found the radiator again clogged with ice, so we had to thaw it out again. This meant draping our overcoats over the hood and starting the engine. The ice melted rapidly and the engine settled down to normal operation. (Meanwhile we were stomping around trying to keep ourselves warm.) Once we were on the way we

felt there was no possibility of further trouble, but before we even reached Bethlehem the steam started spouting from the engine. We had reckoned without the extreme cold causing the radiator to freeze even while the engine was running. We had to stop twice more to thaw out the radiator and the trip, only about 20 miles, took us over 2 hours. It was 2 a.m. when we arrived home, almost literally frozen stiff, but we were young and suffered no ill effects.

Ed soon lost interest in the club and attended only occasionally, but my devotion kept increasing. I still did not hold a driver's license, so when Ed decided not to go I was stuck at home. There was a trolley line that ran to Allentown, but its terminus was still quite far from the meeting places of the club. Eventually one of the newer members, an older man named Ken Schleicher, W3ATN, offered to give me a ride if I could get to his place in Bethlehem. It turned out that the "limited" had a stop in Bethlehem within easy walking distance to Ken's residence. On several occasions thereafter, when Ed declined to attend the meetings (every Friday night), I boarded "the limited" to Bethlehem, walked to Ken's place and waited until he was ready to go, meanwhile sitting and operating his "rig" and munching on a treat his wife provided. This arrangement soon ended, however. One time he forgot I was coming and left without me. When I arrived, Mrs. Schleicher insisted I wait, and sure enough Ken returned for me, full of apologies. I remember his holding his coattails up and inviting me to kick him. The embarrassing episode made me realize I was an inconvenience and I never went back to Ken's place, nonetheless retaining fond memories of his kindness and friendship.

The association with LVARC made me many friendships and gave me much experience in amateur radio. The club usually met in members' homes, but for a period we had our own clubhouse in Fullerton (now, I believe, called White Hall), a rented room over a garage. Here we established an amateur radio station under club call W301, which was operated sporadically by members, usually before and after the Friday night meetings. The club was quite active. I was a regular attendant, Ed not quite so regular but he did build a transmitter for use during an Allentown exposition of some kind, I believe in 1929. A special wooden frame was built for the transmitter. After the exposition, Ed became the proprietor of the frame and used it to house several later transmitters. I still (Feb., 2001) have it in my basement "shack" to house a now-obsolete PP 813 transmitter and power supply.

I attended my first "hamfest" during this period. I don't recall just when, but it was in Allentown and Ed and I went together. Every person entering was given a whistle and exhorted to get acquainted by blowing Morse Code on the whistle. The place was a bedlam of whistles. I made a few acquaintances myself using this method — hams I had contacted on the air but had never met personally. One was a ham from

Bethlehem with whom I'd had several voice contacts during the weeks that Ed and I had experimented with loop modulation. He was a smooth talker and often mentioned "his girl," so I envisioned him as a handsome young swain of a wealthy family. But the man I met at the hamfest was a cripple in a wheel chair, quite young but very sickly-looking. It was a shocking and embarrassing confrontation, and I'm afraid I must have shown it. Future experience has shown that more often than not the hams you meet in person s after long acquaintances on the air are nothing like you envisioned. I also at this hamfest met W2ZC, a high-speed operator who made the trip from Little Silver, NJ, on his Indian motorcycle. W2ZC had been a commanding signal which boomed high speed code over the air, and I envisioned him as an older man with a mustache and a commanding manner. But he turned out to be a slender young man about Ed's age. He gave a demonstration of sending on a Vibroplex "Bug" with all the weight removed and still maintain accuracy. I was greatly impressed. He invited anyone in the audience to come up and try it. I had received a Vibroplex key for Christmas and had spent many hours practicing on it so my sending speed was high — but I had never tried it with all the weights removed. I stepped forward and gave it a try, and after a few faltering attempts managed to send W3NF and CQ on the weightless bug.

"By God, the kid's got it!" exclaimed W2ZC. It was a high point in my ham career up to that time, probably circa 1930.

The Allentown hamfest consisted of perhaps a hundred hams, but it was my first experience at that kind of gathering and I greatly enjoyed it. So when a couple of local hams with whom we had become acquainted suggested we attend a much larger ham get-together in Livingston, NJ, I urged Ed to accept the invitation. He said we might go, but we'd use our own transportation — meaning the little red flivver. When the time arrived, however, he said he had decided not to go, but no reason I couldn't if I wanted to. I was only a kid of 16, but by this time I had started getting out from under the yoke of Ed's tyranny. I called John Laughlin, W3AOD, and asked if I might go with his party. He said sure, but he wouldn't be driving. Another ham, whose name and call I have completely forgotten, would be driving, his Packard sedan and a couple other hams I didn't know would be passengers also. They were all older men and a little doubtful if a "kid" would be a suitable addition to the group, but finally assented. They picked me up at our house one Saturday afternoon and we were off. The big Packard was running on only five of its six cylinders, but the driver, a man of about 25 and apparently well heeled, (wish I could remember his name and call) asserted that the engine would run well enough on five cylinders, and he'd have it looked into when we returned. This caused my first qualms about accepting a ride with practical strangers.

We had no sooner crossed the river and were beyond Phillipsburg when the driver produced a bottle and passed it around. I was appalled. They didn't offer it to me, said I was too young to drink, but I began to see what kind of trip this would be. Prohibition was still in effect, but it wasn't very well enforced and almost anyone could acquire liquor. My family

had a long history of abstinence. I'd had no experience whatever with liquor but was quite well aware of what its effects might be. During the trip to Livingston the bottle was passed around several times, and by the time we arrived neither the driver nor the other passengers were "feeling any pain." I had become quite apprehensive, but they kept assuring me that they could "hold their liquor" and I was in no danger.

When we arrived at the hamfest I found myself among complete strangers and wished I had not come. The usual whistles were prevalent, but not so much so as they had been in Allentown. I saw no one I knew or had even heard of except my drunken fellow passengers and F. E. Handy, W1BDI, and Ev Battey, W1UE, from ARRL headquarters in Hartford. I had never met either of them personally, had contacted WLUE on the air and knew of Handy as the ARRL communications manager; but they were surrounded by others trying to get their attention and I didn't feel I dared approach them. There were perhaps 300 in attendance, and again I was negatively impressed with the amount of drunkenness. When the program finally started it turned out to be a discussion of politics as it concerned amateur radio. Members of the audience kept interrupting the speakers and sometimes coming to the podium to make remarks to all in general. Much clapping, whistling, booing, and general pandemonium. Handy and Battey each had their turn on the podium but neither said much and I could see that they were generally disgusted with the conduct of the forum. It eventually broke up. I wanted nothing so badly as to get out of there, but my companions wanted to "stick around" for "more fun."

It was quite late when we finally got back on the road, the driver (I'll call him Bill) seemingly not so drunk as the others, the Packard still firing on only five cylinders. We had to stop twice to let one or more of the passengers out to throw up. Bill seemed less drunk than the others and very sympathetic to their illness. He even threw a backward glance at me as though to say, "Sorry about all this." The inside of the car started to smell of vomit and I started to feel a little sick myself. The whole disgusting experience taught me never again to put myself in the hands of strangers without a means of extracting myself.

THE GREAT CHANGE

My father was not a stock speculator, but he owned small blocks of stock in several companies known to be stable, such as General Motors, American Agricultural Chemical Co, Studebaker, Dupont, and a few others, all of which either went down the drain or greatly decreased in value and stopped paying dividends. The loss was about 60% of his net worth. Being entirely a self-made man of Scotch heritage, it hit him hard. We were not destitute, but we had to reduce our living style considerably. My three brothers and I were hardly aware of what was going on, but we knew the old man (he was 76) was becoming increasingly irascible. In 1931 he suffered a complete nervous breakdown and passed away in June.

The house in which we four boys had been born and raised belonged to Lafayette College. When my father, an emi-

nent professor of chemistry at the college, passed away, we lost any right to continue occupying the house. The college magnanimously gave us a year to vacate. Life went on almost as usual for another six months, then the college, feeling we (that is, my mother) were apparently making no plans to vacate, started putting on the pressure. First they tore down my father's abandoned chemical laboratory which, although owned by my father and now by my mother, was on college property. We had to scramble to remove anything of value before the demolition crew moved in. The demolition caused us to lose our electrical service, because it had been connected to the house through the "den."

We still had our gas lights, but the electrical disconnect spelled the end of W3NF on College Hill. Among my father's former assets was a publishing company located in Easton quite close to the college, and here Ed established our new station, using the 852 amplifier driven by a crystal-controlled 210 oscillator and using our almost new National SW-3 receiver. The transmitter was established on a bench in the third-floor composing room, with an antenna on the roof. But the location was a very poor one for radio, a precipitous hill on one side and the downtown city of Easton surrounding us on the other three sides. During the day, with all the electrical noises inside the plant, operation was impossible. After five o'clock and on weekends the factory noises ceased, but passing trolley cars (the College Hill trolley passed right in front of the building) caused loud discharges, making operation even on evenings until almost midnight and during weekends and holidays very difficult. It was such a vast change from our previous location on the third floor of our College Hill house that operation of W3NF all but ceased. The building was "spooky" and chilly when unoccupied. There were no bathrooms or lavatories in the building, only an outhouse outdoors across a small parking area in the rear.

Of course we did have "the farm," about five miles down the Delaware River near the little village of Raubsville. This property consisted of about 400 acres of meadows and forest in two valleys, and four houses, three of which were occupied by relatives who had worked the farm for my father. The fourth house, at some distance from the others, was where we had spent our summers during my father's last few years, and where we were destined to move now that "papa" was gone. It was a large stone house, very old, of about ten rooms. There was no indoor plumbing, no electricity, no central heating. The house sat on the side of a hill overlooking a meadow below and dense forest on the other side. Living there the year around was a bleak prospect indeed, but we had nowhere else to go, and during the spring of 1932 the move was undertaken with vigor by all five of us.

I'll omit other details except those which have a bearing on our (Ed's and my) amateur radio activities. With no commercial electricity, operation at the farm didn't seem possible. Ed set up a battery-operated station of very low power, with an antenna strung between tall trees surrounding the house, but the batteries had to be replaced frequently. We used W3AMR at the farm, but contacts were few and far between and the whole setup highly unsatisfactory. Ed decided that the only solution was a superior antenna which would make up for our

very low power capability. Down in the valley in front of the house, along the wet-weather stream there, we had noticed a stand of tall trees, some of them over 60 feet. Ed decided we should cut down two of the tallest, drag them to the top of the hill behind the house on which there was a vast open meadow, get them erected and string an antenna between them. He felt that an antenna at such a high elevation (one could see up the Delaware River Valley all the way to Phillipsburg, NJ) would give us an outstanding signal even with our meager two watts or so of power. But how to get the two trees cut down, stripped of branches, dragged up the hill and set? The tasks involved seemed insurmountable to me, but Ed got in touch with Raymond Holloway, our 30-year-old cousin who worked the farm in the other valley. Ray took an interest in the project, enlisted the aid of a couple of other cousins and two hired workmen. One Sunday they all came over, with tools and the old Fordson tractor. Ray engineered the whole project. The two tallest trees were duly felled, dragged up the hill and placed 140 feet apart after halyards and ropes were in place at the top of each pole. The way all this was done was most interesting and most ingenious, but I won't take the space to explain it here. Suffice it to say that the poles were duly erected and stood tall, like silent sentinels, overlooking two valleys and a clear view many miles north along the Delaware River Valley. Ed and I were most gratified and foresaw great results.

"Those trees are poplar," Ray told us, before they were even felled. "Very pithy. I'll give 'em two years, then they'll rot away and fall."

Ray was mistaken. The trees were tulip, but they were pithy. However, they lasted much longer than two years, which was surprising, considering that wood from tulip, or magnolia trees is not considered useful for either lumber or firewood.

"How you gonna feed the antenna to the house?" I asked Ed, skeptically. The house was over 700 feet away.

"We'll worry about that later," said Ed. "Maybe an off-center Windom feed. But right now we'll put up the tent and operate from it until the weather gets too cold. Maybe by that time we can have a real radio shack built."

Ah, dream on, boys! We soon found that the tent idea was highly impractical. On that high hill the wind blew lustily, the rain penetrated the tent during storms, dampness invaded everything, insects from tiny bloodsucking flies to mammoth moths visited us at night. We expected great things from our new super antenna, but they were not forthcoming. Our dry cell batteries kept becoming discharged. Contacts were so seldom as to be almost nonexistent. The poles were erected during the summer of 1931, but by fall we had become totally disenchanted and the equipment was re-installed in the farmhouse with an antenna in the trees. We were still living in the College Hill house but the 852 transmitter and SW-3 receiver had been moved to the third floor of the Chemical Publishing Company. I tried to maintain our traffic schedules from the printing plant, but it was a losing battle with all the noises and chilly environment, because the heat was turned off at night and the place, not very secure, was spooky and intimidating. The ham radio fortunes of the Hart brothers, W3NF and W3AMR, were at a low ebb.

The winter of 1931-2 at College Hill was an uncomfortable one for us. The "den" had been torn down and our electricity disconnected. The house was in partial disarray, because we had already started moving furniture and other items to the farmhouse. As winter waned and spring blossomed I was completing my postgraduate year at Easton High School and the exodus from the College Hill house to the farmhouse started to gain momentum. With four sturdy boys, a farm truck and a sturdy woman (my mother) in charge, we disdained professional movers and undertook the job ourselves; but it turned out to be a bigger job than we had expected. My father and his two families had lived there for over 50 years. The truck was not a big one. My two older brothers, Ed and Watson, loaded it at College Hill and unloaded it at the farm once a day. On weekends and holidays, with my younger brother Martin and I to help, we managed three or four trips a day — interspersed, of course, with other activities.

It was a grueling period, rife with difficulties, disagreements and strife of various other kinds, but by the end of June, 1932, we took the last truckload down the river road and got set up for permanent residence at the farmhouse. W3NF remained at the printing plant, abandoned most of the time. W3AMR was set up at the farmhouse, but seldom used. The 65-foot poles on top of the hill stood silently, unused and almost forgotten. The farmhouse was wired for electricity in the expecta-

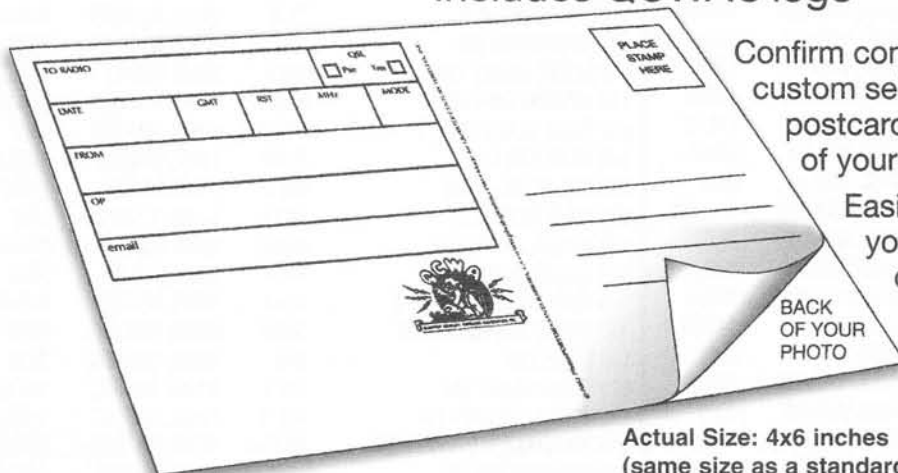
tion that the utility would run a line up from the highway, a distance of 3/4 mile up a private dirt and gravel road; but negotiations with the electric company fell through and we were faced with the prospect of a winter in the old house without electricity, inadequate telephone, no indoor plumbing, no central heating, the nearest neighbor over 1/4 mile away down the private road which we must maintain ourselves, including plowing the snow, which was sure to come. There were seldom any snowless winters in the thirties. And, of no concern to the rest of the family but great concern to Ed and me, no amateur radio except the inadequate battery-operated W3AMR.

I was involved in all the feverish preparations during the summer of 1932 — getting in a supply of firewood for use in the five fireplaces in the house, maintaining the road, cleaning the house for permanent residency and many other chores — but I never spent a complete winter in the farmhouse. In August I went to Allentown and took the Penn State entrance examination and, much to my astonishment, was accepted in the freshman class as a pre-veterinary student.

Coming in the next installment: Off to Penn State and the College Radio Station

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Chapters on the Air

NO	NAME	DAY	TIME	NC	FREQ				
	SO CALIF CW	SUN	1100L	W6WHM	7034	81 LONG ISLAND QCWA CH	SUN	1130L	W2TLC 3917
	FL SSB	SAT	1300Z	W4KOG	3955	85 ARK-LA-TEX CH	MON	1930L	WA9PZL 146.67
	QCWA SSB	SUN	2000Z	varies	14347	89 PALMETTO STATE CH	SUN	1700L	N4RM 3695
	FL SSB	WED	1500Z	W4NWF	7274	89 PALMETTO STATE CH	SAT	0830L	VARIES 3930
	NE REGIONAL	SUN	0845L	W2AUF	3917	91 VIC CLARK CH	SUN	0900L	VARIES 146.79
	QCWA CW	WED	2000E	varies	7035	94 ROADRUNNER CH	WED	1400L	WB5YYX 146.72
1	CLEVELAND CH	WED	2000L	W8LYD	146.85	102 DAKOTA CH	SUN	1400Z	VARIES 3889
5	DELAWARE VALLEY CH	SUN	0945L	W2UAE	3917	106 GERMAN CH	MON	1630Z	DL0QCW 3773
6	PITTSBURGH CH	SUN	0830L	N3GHI	147.03	106 GERMAN CH	WED	1700Z	DL1MEB 3573
7	SOUTHERN CA	SUN	1000L	W6ZRZ	147.36+	107 CENTRAL FL	THU	1230L	W4LHP 14245
7	SOUTHERN CA	SUN	0900L	W6WHM	3917	107 CENTRAL FL	SAT	0900L	W4LHP 7243
7	SOUTHERN CA	SUN	1100L	W6WHM	7234	108 BEAVER STATE CH	WED	0800L	W7LVN 3926
8	UPPER MIDWEST CH	SAT	0800L	W0KHG	3877	109 BATON ROUGE CH	SUN	0830L	VARIES 3905
9	SOUTHWEST OH	SUN	1330L	K8YDP	3975	109 BATON ROUGE CH	SUN	2000L	VARIES 19/79
10	MICHIGAN CH	SUN	0800L	VARIES	3903	110 KANSAS CH	SAT	0730L	KA0RZO 3920
11	NORTHERN CA	SAT	1000L	W6AQR	146.85-	111 PALM BEACH CH	TTHSA	1900L	VARIES 146.670
11	NORTHERN CA	SUN	0930L	WA6AFT	3907	112 YANKEE CH	SUN	0830L	W1GCA 3903
14	SAN DIEGO CH	WED	2000L	VARIES	145.52	114 NORTH TEXAS CH	SAT	0830L	WA5BXH 3941.5
16	ARIZONA CH	SUN	0600L	W7ER	3890	122 LAKE ERIE TRI-STATE	SUN	0915L	W3QPP 3916
17	ALLENTOWN-BETHLEHEM-	SUN	1200L	W3GOS	3990	123 LEE DEFOREST CH	SAT	0730L	K0EDO 3940
19	MISSOURI CH	WED	1900L	W9VHL	147.15+	125 NEBRASKA CH	TUE	0100Z	VARIES 146.94
20	BALTIMORE CH	MON	2100L	W3EE	147.285	126 PIEDMONT CH	SAT	0845L	VARIES 3935
21	CANTON OH CH	THU	1930L	VARIES	147.18+	128 PELICAN CH	SAT	0900L	VARIES 145.29
25	NEBRASKA CH	SAT	0830L	VARIES	3982	130 INLAND EMPIRE	WED	1930L	W6HV 1.896MH
25	NEBRASKA CH	TUE	1900L	VARIES	145.45	130 INLAND EMPIRE	FRI	1600L	W6HV 3900
28	CENTRAL NY	SUN	1030L	K2MFB	3917	130 INLAND EMPIRE	SAT	0800L	W6HV 3900
29	FINGER LAKES CH	SUN	1230L	W2BCH	3900	131 GULF COAST CH	TUE	0900L	VARIES 28750
31	READING,PA CH	MON	2100L	VARIES	146.91	134 PINE TREE	SUN	1430L	W1QU 3942
32	GATOR CH	SAT	0900L	VARIES	145.29	135 MID-MICHIGAN CH	TUE	2000L	VARIES 146.70
33	GUNDERSON PENN-JERSEY	DLY	2000L	W3APE	3987	138 MARCONI CH	TUE	2100L	VARIES 147.045
33	GUNDERSON PENN JERSEY	DLY	1000L	W3APE	14263	140 WYOMING CH	SAT	0800L	W7MZW 3923
35	MIDCONTINENT CH	THU	2030L	K0YML	146.97	142 NORTHWEST OH	WED	2000L	W8FO 147.27+
37	HARRISBURG CH	WED	2100L	K3IUY	147.12	143 NORTH CO CH	SUN	0830L	VARIES 145.115
38	SAN ANTONIO CH	SUN	2030L	W5HRF	28650	146 TWIN STATE CH	SUN	0830L	VARIES 3897
41	DALLAS CH	SUN	0715L	varies	3835	149 NUTMEG CH	SUN	1100L	W1KHL 3923
45	CITRUS CH	TUE	1930L	VARIES	147.195	150 DEL-MAR-VA CH	SUN	0900L	NQ4Q 22/82
46	FOUNDER'S CH	SUN	0815L	W2NBT	3917	151 WILD ROSE CH	MON	1900L	VARIES 3747
49	PEACH STATE CH	SAT	0900E	K4VNJ	3857.5	152 ROYAL PALM CH	MWF	1300L	K4FA 14178
49	PEACH STATE CH	WED	2000E	K4VNJ	145.41	152 ROYAL PALM CH	T-TH	1300L	W4LZB 7220
51	TEX-LA GOLDEN TRI	MON	1830L	W5AL	146.85	154 LEO MEYERSON CH	THU	1830L	K6AWO 145.480
55	WI CH	SUN	0830L	W9YCV	3985	157 PONY EXPRESS CH	SUN	0830L	W0GGP 3955
58	CO CH	SUN	0930L	VARIES	146.67	160 UTAH CH	SAT	1100L	VARIES 7272
58	CO CH	SUN	0900L	W9KRE	3905	162 SOUTHEAST WI	THU	2100L	N9NBC 147.27+
62	SUWANNEE CH	SAT	0900L	W4PFJ	3940	165 YORK COUNTY PA	WED	2100L	W3AXC 146.97
63	CENTRAL OK CH	THUR	1900L	W5HXL	145.41	169 SACRAMENTO VALLEY	M/THU	1730L	VARIES 3947.5
63	CENTRAL OK CH	SUN	0800L	W5AS	3855	173 GOLDEN TRI CH	TUE	1930L	W9JRY 147.255
64	EL PASO CH	SAT	0830L	W5RO	3933	174 WI BADGER	SUN	1600L	VARIES 146.82
65	NIAGARA FRONTIER	SUN	1330L	W2QOI	3900	181 HUDSON VALLEY	SUN	0815L	W2NBT 3917
70	NATIONAL CAPITAL	THUR	2000L	VE3QCW	147.03	181 HUDSON VALLEY CH	TUE	2030L	VARIES 147.060
73	SOUTHERN ONTARIO	SUN	0900L	VE3AGS	3773	182 NORTHEAST TN	SUN	2100L	W4CZ 145.110
75	CENTRAL CA COAST	SAT	1600Z	VARIES	3917	183 PIONEER CH	SUN	1030L	VARIES 3923
76	BLUE RIDGE CH	SAT	1000L	VARIES	3930	188 LOST RIVER CH	1ST W	1915L	K7RFO 146.25+
77	NORTHERN NJ	THU	2000L	W2IET	147.030	191 MONTEREY BAY CH	TUE	1930L	VARIES 146.70
79	SUNFLOWER CH	WED	2000L	VARIES	22/82	194 HAWAII CH	1st S	1500L	VARIES 7088
81	LONG ISLAND CH	FRI	2030L	W2TLC	146.745	196 EDISON CH	DLY	0730L	VARIES 147.345
						205 EASTERN IN	THU	0100L	VARIES 147.27+

QCWA Welcomes New Members

DATE	MEMNUM	NAME	CALL	CITY	ST/PR	SPONSOR	SCALL
04/01/2002	31396	ROGERSON, WILLIAM R	W1KSI	POUGHKEEPSIE	NY	PAUL TURNER	W1DLP
04/01/2002	31397	BASSOLINO, NICHOLAS D	K6FFY	LOS OSOS	CA	JIM PALMER	W6FOB
04/01/2002	31398	OWEN, RANDOLPH M	KA4TMT	RICHMOND	VA	-	-
04/01/2002	31399	PICKENS, RAYMOND R	WA2MYG	ROCHESTER	NY	JAMES MOZLEY	W2BCH
04/02/2002	31400	JONES, THOMAS S	K4JM	RICHMOND	VA	BUS ETHERIDGE	K4IX
04/02/2002	31401	PRATT, BLANCHARD	W1RFP	NORWICH	VT	CARL BREUNING	N1CB
04/02/2002	31402	VAJO, JOHN S	W2ZWW	BANGKOK, THAILAND	-	-	-
04/03/2002	31403	MILLER, JOSEPH A	W9WYG	HARTFORD	WI	-	-
04/03/2002	31404	ZEISKE, MANFRED	DJ9ZM	GERMANY	-	WERNER LEMBCKE	DL1ZC
04/04/2002	31405	RAMEY, HERB	W5LSU	GREENWELL SPRINGS	LA	J WARREN AUBEN	K5DVQ
04/04/2002	31406	RAMEY, NORMA	WD5LSU	GREENWELL SPRINGS	LA	J WARREN AUBEN	K5DVQ
04/08/2002	31407	DELOZIER, DONALD R	W8NE	RIVERVIEW	MI	RAYMOND A WARDELL	W8ROS
04/08/2002	31408	PHELPS, PAUL L	KF6RXB	POINT REYES STATION	CA	DICK FLINT	K6JOQ
04/05/2002	31409	FARRIS, WILBERT R	NA5H	DENHAM SPRINGS	LA	ALVIN A GUIDRY	N5GA
04/08/2002	31410	ERMI, TED J SR	N8TJE	NEW RICHMOND	OH	-	-
04/08/2002	31411	GOREHAM, LARRY G	W0NEB	HAYS	KS	-	-
04/08/2002	31412	LEISY, PHYLLIS R	N4FOG	MELBOURNE	FL	PAUL TURNER	W1DLP
04/08/2002	31413	SAVINI, DONALD R	AI1Z	BLACKSTONE	MA	GERITOL NET	-
04/08/2002	31414	SHEPPERT, STEPHEN C	WD5BVQ	SHREVEPORT	LA	-	-
04/08/2002	31415	NEWTON, RUSSELL F	K1LRB	NORTHFIELD	MA	-	-
04/09/2002	31416	SHAW, WILLIAM G	K3EGE	HAVERTOWN	PA	GUSTAVUS W SHAW	W3EFH
04/09/2002	31417	FELL, ROGER	AB8IF	AVON LAKE	OH	-	-
04/09/2002	31418	CURRY, DESSAMAE	W8AFR	FINDLAY	OH	JAY EDEL	WN8HHF
04/11/2002	31419	FLANCHER, ROBERT S	N9BF	RACINE	WI	-	-
04/12/2002	31420	ANDERSON, BOB	W3RTA	OLNEY	MD	JOHN B JOHNSTON	W3BE
04/15/2002	31421	ALTHOEN, DAVID J	WKYHL	CAMBRIA	CA	-	-
04/15/2002	31422	ANDERSON, CHARLES JR	W2RYB	TITUSVILLE	NJ	DON FIELD	W2UAE
04/15/2002	31423	LESH, DAVID S	KB1IBE	PALINVILLE	MA	-	-
04/15/2002	31424	STEVENSON, CARL R	WK3C	EMMAUS	PA	-	-
04/18/2002	31425	HANSON, WALLACE W	WD4GYW	MONROE	VA	LELAND W SMITH JR	W4YE
04/18/2002	31426	MC KINNEY, LAWRENCE N	WA4FRH	GOODE	VA	CHARLES E BECKWITH	K4BSF
04/19/2002	31427	WOMACK, TERRY D	AD5TW	DUNCAN	OK	CLAUDE HOLLY STEWART	KD5DL
04/22/2002	31428	KELSEY, DONALD C	W2VBW	ORLANDO	FL	PAUL A TURNER	W1DLP
04/22/2002	31429	WOLFE, EMILY C	KB7L	OCEAN PARK	WA	-	-
04/22/2002	31430	DRAKE, DONALD C	W6IPW	SAN DIEGO	CA	-	-
04/22/2002	31431	SCRITCHFIELD, ROGER H	WD8ITD	BARBERTON	OH	-	-
04/22/2002	31432	TURNER, STEPHEN D	K3HPA	STATE COLLEGE	PA	-	-
04/23/2002	31433	SMITH, A JEAN	VE6CDS	PINE LAKE	AB	JAMES A SMITH	VE6OX
04/24/2002	31434	LEE, DOUGLAS H	W9SPC	HENDERSONVILLE	NC	HERMAN A FABERT JR	W9FWH
04/25/2002	31435	RANDALL, LEE	WD5GSN	CLAREMORE	OK	-	-
04/25/2002	31436	GARRETT, GORDON G	K1GG	ELLISTON	VA	LELAND SMITH JR	W4YE
04/29/2002	31437	BEAUREGARD, PETER	KI1I	WESTFIELD	MA	LARRY SMITH	K1ILZ
04/29/2002	31438	DURANT, ROBERT	KC2FXH	PENNINGTON	NJ	DON FIELD	W2UAE
04/29/2002	31439	DYSART, GELNN J	KI0BT	KANSAS CITY	KS	-	-
04/29/2002	31440	LONGO, AL	NN1J	SPRINGFIELD	ME	-	-
04/29/2002	31441	PETERSON, GERALD B	W5VWE	SAN LUIS OBISPO	CA	JAMES K PALMER	W6FOB
04/29/2002	31442	ROBERTI, REM P	WA6CJK	PETALUMA	CA	BILL GERREY	WA6NPC
04/29/2002	31443	WILKENS, WARREN DOUGLAS	N3ENU	WEST CHESTER	PA	-	-
04/30/2003	31444	BOTKO, V BILL	WF6W	LITTLE ROCK	CA	BILL WELSH	W0ddb
05/01/2002	31445	HARVEY, ROBERT J	K2PI	APO	AE	-	-
05/02/2002	31446	SZYMANSKI, DANIEL J	K3SKE	FREDERICK	MD	RAY C H JOHNSON	K5RJ
05/03/2002	31447	BREEDEN, WILLIAM B	AB0FX	OMAHA	NE	-	-
05/07/2002	31448	ABERNETHY, TOM	W3TOM	ACCOKEEK	MD	JOHN JOHNSTON	W3BE
05/07/2002	31449	MOFFETT, THOMAS J	W4BVG	GAINESVILLE	FL	NICK KOENIGSTEIN	K4NIK
05/07/2002	31450	PORTOUKALIAN, GEORGE	W1CP	FRANKLIN	NC	-	-
05/10/2002	31451	HOFLAND, ROBERT O	KO1C	PLAISTOW	NH	DAVID W REGO	W1GCA
05/13/2002	31452	OWEN, DAN	K8GBC	OWOSSO	MI	JAMES BISHOP	W8JFB
05/13/2002	31453	SHENKEL, WILLIAM M	WA4EGV	ATHENS	GA	NANCY DRAAHEIM	NK4LL
05/13/2002	31454	RHOTON, ROBERT B	WA8KHL	PUNTA GORDA	FL	KIRK SANDERSON	W8WNA

New Members

05/13/2002 31455	SHIPLEY, WILLIAM T JR	WD4GZQ	NASHVILLE	TN	WILLIAM T SHIPLEY SR	N4WS
05/13/2002 31456	WILKE, MARK C	K8VL	ST CLAIR SHORES	MI	MIKE HALL	WB8ICN
05/14/2002 31457	BELSON, JAMES M	W5MDJ	OKLAHOMA CITY	OK	GENE NAILON	K5DLE
05/14/2002 31458	INVERGO, MICHAEL WAYNE		N4MUJ	AP0	AA	-
05/14/2002 31459	DU BRUL, ROBERT A	WB0RJR	EVERTON	MO	GARY HARRISON	K0BC
05/14/2002 31460	SMITH, MAURICE E	K0EH	CALICO ROCK	AR	GARY HARRISON	K0BC
05/14/2002 31461	MC CRANN, TERENCE M	WD0GSY	ST PETERS	MO	GARY HARRISON	K0BC
05/14/2002 31462	SIMMONS, WILLIAM H	WB0ROT	BOONVILLE	MO	GARY HARRISON	K0BC
05/15/2002 31463	WILTGEN, RICHARD J	K8RBW	CHICAGO	IL	-	-
05/17/2002 31464	HILDRETH, JOSEPH K	KL7DWE	ANCHORAGE	AK	DEL SEAY	KL7HF
05/17/2002 31465	LYCOS, PETER W	KM8K	LANSING	MI	DONALD L TILLOTSON	WB8NUS
05/20/2002 31466	EVANS, STEVEN DARRYL	W5VK	SPRING HILL	KS	-	-
05/20/2002 31467	KOHL, H JOHN JR	K04A	ANNAPOLIS	MD	WILLIAM H BATTEY	N4BGX
05/21/2002 31468	GOUDREAU, PETE	AD5HD	GARLAND	TX	-	-
05/21/2002 31469	BELTRAMELLI, ROBERTO	WA9E	GLENDALE HEIGHTS	IL	DAYTON	
05/21/2002 31470	BARNHARDT, FRANK	W8DOS	CINCINNATI	OH	DAYTON	
05/21/2002 31471	COLVIN, JESSE	AI9L	BRACEVILLE	IL	DAYTON	
05/21/2002 31472	COLVIN, PATRICIA A	AF9H	BRACEVILLE	IL	DAYTON	
05/21/2002 31473	PARKER, JAMES R	W4EKB	SPRINGFIELD	VA	DAYTON	
05/22/2002 31474	BOEDE, DAVID J	K9DJB	FOND DU LAC	WI	DAYTON	
05/22/2002 31475	BUDZOWSKI, JAY	N3DQU	NEW CASTLE	PA	DAYTON	
05/22/2002 31476	CALCAGNO, STEPHEN G JR	N5SC	MARRERO	LA	DAYTON	
05/22/2002 31477	CERBONE, RAY	WA2MZX	VERPLANCK	NY	DAYTON	
05/22/2002 31478	DEGENHART, JIM	KF9XK	WASHINGTON	IL	DAYTON	
05/22/2002 31479	FERRELL, RON	WD8RGZ	BELPRE	OH	DAYTON	
05/22/2002 31480	GROSS, GERALD F	WA6POZ	OMAHA	NE	DAYTON	
05/22/2002 31481	HAMMOND, DON	K4UE	FAUNSDALE	AL	DAYTON	
05/22/2002 31482	KIMBRELL, ROBERT M	W7KU	KINGMAN	AZ	DAYTON	
05/22/2002 31483	LAMB, L LYNN	W4NL	MARYVILLE	TN	DAYTON	
05/23/2002 31484	LEAL, WILLIAM	VE3ES	WINDSOR	ON	DAYTON	
05/23/2002 31485	LEE, JOHN	W8JL	MARIETTA	OH	DAYTON	
05/23/2002 31486	MARR, STEVEN K	K0UY	ST CHARLES	MO	DAYTON	
05/23/2002 31487	MECSERI, LOUIS	KE1F	PALM COURT	FL	DAYTON	
05/23/2002 31488	MELTON, GENE	AK9N	LISLE	IL	DAYTON	
05/23/2002 31489	MILLER, JAMES R	K4SQR	CHARLOTTE	NC	DAYTON	
05/23/2002 31490	MONTGOMERY, MITCH	W9TZ	MORELAND	GA	DAYTON	
05/23/2002 31491	PHILLIPS, LOREN J	W8PSKB	BOWLING GREEN	OH	DAYTON	
05/23/2002 31492	RACE, GEORGE	WB8BGY	ALBION	MI	DAYTON	
05/23/2002 31493	RAYSIN, ROBERT	W4RER	CORYDON	KY	DAYTON	
05/23/2002 31494	STONER, JACK	WA3FTS	APOLLO	PA	DAYTON	
05/23/2002 31495	TAYLOR, THOMAS W	K0INR	SHELL ROCK	IA	DAYTON	
05/23/2002 31496	TOWNER, HUTCH	N9HT	STREATOR	IL	DAYTON	
05/23/2002 31497	TUCKER, JEFFREY A	WB9KIX	TERRE HAUTE	IN	DAYTON	
05/23/2002 31498	WIGEL, KEN	W9GM	LA CROSSE	WI	DAYTON	
05/23/2002 31499	WITTENBERG, WALTER L	K0CEH	CLAYTON	MO	DAYTON	
05/24/2002 31500	HAZEN, GLEN	N8WE	KETTERING	OH	GARY HARRISON	K0BC
05/24/2002 31501	ANDERSON, RICHARD A	K8XAF	MASSILLON	OH	-	-
05/24/2002 31502	ALLEN, KENNETH N	KB8KE	KETTERING	OH	DAYTON	
05/24/2002 31503	BOEDE, MICHAEL J	WD9ESI	FOND DU LAC	WI	DAYTON	
05/24/2002 31504	GILMORE, WILLIAM N JR	WB8FPQ	FAIRHAVEN	MI	DAYTON	
05/24/2002 31505	HOLICKY, GREGORY P	WD9HFC	WHITING	IN	DAYTON	
05/24/2002 31506	HARLAN, EUGENE	WB9MMM	ROCKFORD	IL	DAYTON	
05/24/2002 31507	HARLAN, SHARON	N9SH	ROCKFORD	IL	DAYTON	
05/27/2002 31508	HUBER, GARY	AB9M	BLOOMINGTON	IL	DAYTON	
05/27/2002 31509	KEDDIE, ALEX	K9HU	INDIANAPOLIS	IN	DAYTON	
05/27/2002 31510	LAUGHERY, EDWARD D	AD5JV	LIVINGSTON	LA	DAYTON	
05/27/2002 31511	MC MILLIAN, MORRIS E	W8XF	CHARLESTON	WV	DAYTON	
05/27/2002 31512	OLSON, ROBERT L	W6BO	YUBA CITY	CA	DAYTON	
05/27/2002 31513	PERRY, CAROLE	WB2MGP	STATEN ISLAND	NY	DAYTON	
05/28/2002 31514	PETERSON, DENNIS G	K0CKD	MUSCATINE	IA	DAYTON	
05/28/2002 31515	PHILLIPS, STEVEN E	WA1ZKN	PITTSBURGH	PA	DAYTON	
05/28/2002 31516	SMITH, HOPE M	WB3ANE	DAVIE	FL	DAYTON	
05/28/2002 31517	BONILLA, WILLIAM	AF4LL	HAZARD	KY	-	-

05/28/2002 31518	COTE, DONALD M	KD8BD	LANSING	MI	DONALD TILLOTSON	WB8NUS
05/28/2002 31519	HARTLEY, CHARLES A	W6OOC	SAN CARLOS	CA	AL MONTOYA	WB6IMX
05/31/2002 31520	BUBECK, ROBERT C	W4NAA	OCALA	FL	ARTHUR F KUNST	W3WM
05/31/2002 31521	MILLER, THOMAS C	AC5TM	NEW ORLEANS	LA	-	-
05/31/2002 31522	PAULLIN, PHIL	KG4DVC	VIENNA	VA	RAY C H JOHNSON	K5RJ
06/03/2002 31523	REED, PAUL	VE2LR	HULL	PQ	CROFT TAYLOR	VE3CT
06/03/2002 31524	PARKER, MARSH	NC7V	SHELTON	WA	SEA-PAC	-
06/03/2002 31525	MC CROREY, GARY	AL7O	ANCHOR POINT	AK	-	-
06/03/2002 31526	BROWN, KEVIN	WA7SHP	SALEM	OR	SEA-PAC	-
06/03/2002 31527	BRODERSON, DWAYNE	W7GD	CAMANO IS	WA	SEA-PAC	-
06/03/2002 31528	BUSSE, FREDERICK L	WB7DRR	BEAVERTON	OR	SEA-PAC	-
06/03/2002 31529	COPELAND, JEFFREY J	W7RSH	ESTACADA	OR	SEA-PAC	-
06/03/2002 31530	CURRY, EVERETT W	W6AGM	HILLSBORO	OR	SEA-PAC	-
06/03/2002 31531	DALY, GREGORY P	WB7RSG	SCAPPOOSE	OR	SEA-PAC	-
06/03/2002 31532	DETERMAN, JOEL P	K7TGZ	PORTLAND	OR	SEA-PAC	-
06/03/2002 31533	DOVER, GEORGE	W7GEO	TROUTDALE	OR	SEA-PAC	-
06/03/2002 31534	FUJINAKA, HISASHI TODD	K7EMI	PORTLAND	OR	SEA-PAC	-
06/03/2002 31535	HAMMOND, JOHN A	K7IJJ	PORTLAND	OR	SEA-PAC	-
06/04/2002 31536	KRYSZEK, JERRY	K7RN	PORTLAND	OR	SEA-PAC	-
06/04/2002 31537	LAMAB, COLIN	K7FM	NEWBERG	OR	SEA-PAC	-
06/06/2002 31538	BURTIS, ROBERT H	WB2RJC	OCEAN	NJ	-	-
06/06/2002 31539	HERBS, FREDERICK A	WB2PEM	BALDWINSVILLE	NY	JIM MOZLEY	W2BCH
06/06/2002 31540	NOVACEK, JIM	WB0ULH	SCOTTSBLUFF	NE	ALFRED K MARRON	K0LJK
06/07/2002 31541	MC CORD, PAUL L SR	W5QO	DEL CITY	OK	GENE NAILON	K5DLE
06/07/2002 31542	POTTER, KENNETH M	W3KMP	CLARKVILLE	PA	ARTHUR F KUNST	W3WM
06/07/2002 31543	KOELKER, RICHARD L	KU8K	AKRON	OH	ARTHUR F KUNST	W3WM
06/10/2002 31544	AKIMOTO, YOSHIHIKO	JA1EM	JAPAN	-	-	-
06/10/2002 31545	BANDLA, RICHARD C	VE3CVG	CUMBERLAND	ON	KEITH BEDAL	VE3GFI
06/10/2002 31546	ROBBINS, RICHARD W	WB9AIS	MEQUON	WI	-	-
06/10/2002 31547	CONN, ALAN L	W8RXY	LANSING	MI	DONALD TILLOTSON	WB8NUS
06/10/2002 31548	MARCHITELLI, RONALD	WA7LEA	LARAMIE	WY	DONALD R MILLER	K7TFW
06/11/2002 31549	HOOK, LEN	KG6ZR	BRISTOW	VA	RAY C H JOHNSON	K5RJ
06/13/2002 31550	STAILEY, RON	K5DJJ	ROUND ROCK	TX	KEITH ZIMMERMAN	K5WX
06/13/2002 31551	CALANTONIO, THOMAS	WB3HLH	ROCKVILLE	MD	JOHN B JOHNSTON	W3BE
06/13/2002 31552	MC TIGUE, THOMAS V	N0YD	ST LOUIS	MO	JOHN GERMANOS	WB9PNU
06/14/2002 31553	KREIFELS, DAVID E	KA0JON	HAYSVILLE	KS	-	-
06/14/2002 31554	SHAW, JAMES E	AL7BA	NEW CARLISLE	OH	-	-
06/14/2002 31555	VERNON, STANLEY D	N0SV	SUMMERVILLE	SC	JENNY MYERS	WA4NGV
06/14/2002 31556	JOHNSON, BOBBY L	K5YPP	BEDFORD	TX	DALLAS	HAMCOM
06/14/2002 31557	NADASKAY, TED	K5KJV	LEWISVILLE	TX	DALLAS	HAMCOM
06/17/2002 31558	AARSTAD, ROBERT E	N6NKZ	BOSSIER CITY	LA	DALLAS	HAMCOM
06/17/2002 31559	BAILEY, MICHAEL E	WD5CWZ	ONALASKA	TX	DALLAS	HAMCOM
06/17/2002 31560	BREWER, TOM C	K5MET	CARROLLTON	TX	DALLAS	HAMCOM
06/17/2002 31561	CHEEVER, HUGH L	W5IG	FARMERS BRANCH	TX	DALLAS	HAMCOM
06/17/2002 31562	GRAHAM, JOHNNY	KD5NO	MESQUITE	TX	DALLAS	HAMCOM
06/17/2002 31563	MASHBURN, RONALD	WA5UUS	AMARILLO	TX	DALLAS	HAMCOM
06/17/2002 31564	NOBLITT, CARL	N5CN	KELLER	TX	DALLAS	HAMCOM
06/17/2002 31565	WALDRIDGE, DAVID W	WA5MMY	MC ALLEN	TX	DALLAS	HAMCOM
06/17/2002 31566	CAVES, LLOYD R	WB2EFU	WEBSTER	NY	JIM MOZLEY	W2BCH
06/17/2002 31567	KEITH, LAWRENCE D	KQ4BY	WARNER ROBINS	GA	-	-
06/17/2002 31568	LEE, THOMAS R	WA7WYW	CHEYENNE	WY	DONALD R MILLER	K7TFW
06/17/2002 31569	MARTIN, JIM	KD7LFC	SUNNYSIDE	WA	-	-
06/20/2002 31570	WHITE, JON A	K5HPJ	EL PASO	TX	-	-
06/20/2002 31571	NESLADEK, JOHN	WB0VBW	N SIOUX CITY	SD	LARRY WACHA	K0EDO
06/20/2002 31572	FARLAND, THOMAS W	N0JMY	FREDERICKSBURG	IA	LARRY WACHA	K0EDO
06/20/2002 31573	KELLER, HARRY	WB0PDF	ROGERS	NE	LARRY WACHA	K0EDO
06/21/2002 31574	LEACH, RICHARD W	AA2FZ	TONAWANDA	NY	ARTHUR KUNST	W3WM
06/25/2002 31575	HOFFMAN, JON L	WNOL	FREMONT	NE	LARRY MARTENS	K0SW
06/27/2002 31576	BRENNER, ALAN S	W4ARM	N MIAMI BEACH	FL	-	-
06/28/2002 31577	BROWNLEE, BOBBY LYNN	WB5OS	BATON ROUGE	LA	-	-
06/28/2002 31578	MOORE, GREGORY W	WA3IVX	UPPER DARBY	PA	GENE NAILON	K5DLE
06/28/2002 31579	TAYLOR, DONALD	KB2BU	ROCHESTER	NY	JIM MOZLEY	W2BCH

Silent Keys **With sadness we record the passing of these members**

NAME	CALL	MEMNUM	L	SK	CITY	ST
JOHNSON, KEN A	W6NKE	03001	*	2002	SIMI VALLEY	CA
BARTLETT, H W	W5KWA	06775		2002	BEAUMONT	TX
WOLFORD, RAY E	W4GWE	07640		2001	LANTANA	FL
BEMMELS, WILLIAM D	W0KL	05752	*	2002	OTTAWA	KS
HATANAKA, FRANK	W6EG	23159		2002	BREA	CA
KOFFRON, ROBERT J SR	WA8LPQ	28873		2001	NAPLES	FL
ARNOLD, GARY S	WB2WPA	30066		2001	NAPLES	FL
DAVIS, RAYMOND F	W5HBI	16231		2002	SAN ANTONIO	TX
GRAVES, THOMAS A	W4PDW	30468		2002	ANNANDALE	VA
BAKER, CHARLES	W2KTF	16963		2002	BELLMORE	NY
PHILLIPS, LAWRENCE DALE	W6HZY	17894		2001	CHULA VISTA	CA
SMALL, ROBERT S	WA9OFV	28251		2002	CHICAGO	IL
PATTERSON, J W	W0QIZ	15273	*	2002	CENTRAL CITY	AR
STRUM, ROBERT GENE	K4ICF	29243		2002	GREENEVILLE	NC
KILLEEN, ROBERT	N6EHR	15820	*	2002	THOUSAND PALMS	CA
BASHAM, CALVIN R	W8NR	04958	*	2002	CHARLESTON	WV
ENGEL, FRANK A	AA4PE	2535		2002	ENGLEWOOD	FL
WITKIN, JOSEPH B	WB1USN	25879		2002	NEW BRITAIN	CT
FRIEDEL, PAUL H	W4AHN	16950		2002	EAST FLAT ROCK	NC
ALBERT, FRED J JR	W1QP	12604		2002	FORT MYERS	FL
JACOBY, GERHARD	DL3ME	06966	*	2002	GERMANY	
TRENARY, EARL C	W7LSI	11731	*	2002	SEATTLE	WA
BURTON, WELLS E	N4EE	03990	*	2002	LADSON	SC
DAILY, LAWRENCE L	K5DHX	19888		2002	ALBUQUERQUE	NM
FREISS, DONALD F	WB4FOK	26947	*	2002	SALISBURY	NC
BECK, JOHN M SR	W4COG	20072		2002	MIAMI	FL
LEVY, FRANCIS E	W6MXT	06086		2002	FOUNTAIN VALLEY	CA
CAMPBELL, E LAIRD	W1HQ	22851		2002	AMARILLO	TX
ALLISON, MAC	WB7OKL	30842		2002	EUGENE	OR
GIBBS, LEO L	W8BHT	04056		2002	DAYTON	OH
YOUNGBLOOD, W E	KE5OA	18182		2002	PLANO	TX
REITNAUER, CEDRIC A	W3UND	11849		2002	BOYERTOWN	PA
GUILLOT, GUS J	W5HHB	16120		2002	NEDERLAND	TX
STRASBURGER, TED	NK7A	17658	*	2002	CORVALLIS	OR
BALL, JACK	W8SKP	14714		2002	PALM HARBOR	FL
CLARK, WALDO H	W1JCI	19518		2002	WALTHAM	MA
SIMPSON, JIM	AD7N	13187	*	2002	COUR D'ALENE	ID
STROCKBINE, JOSEPH	W2KCO	26389		2002	ABERDEEN	NJ
HOPKINS, A J	W6SO	05719	*	2002	LA JOLLA	CA
CAREY, LYS J	K0PGM	16985		2002	LAKEWOOE	CO
BEAGLES, JOHN A	W7IVR	18243		2002	SAN DIEGO	CA
PARKER, CHARLES N	W6TQB	12293		2002	BARSTOW	CA
ATHEY, R JOHN	VE3GS	22917	*	2002	CHELSEA	PQ
DEAN, CHARLES R	N4RD	27689		2002	ENGLEWOOD	FL
HUBBELL, JACK B	W0NHS	12162		2002	AURORA	NE
BEHREND, WILLIAM S	K3CRC	24863		2001	JERMYN	PA
ELICKER, LEWIS E JR	W3ADE	02790		2002	YORK	PA
HARTMANN, MANFRED	DJ3DJ	17007	*	2002	GERMANY	
LENTZ, R H	W6RGC	16777	*	2001	JOSHUA TREE	CA

MEINHARDT, FRITZ	DL3EO	13252	* 2002 GERMANY	
HEKKING, DONALD A	W8OZT	21300	2002 BRADENTON	FL
HIGGINS, JOSEPH F	N7BHZ	22593	* 2002 LAS VEGAS	NV
MC KENZIE, JOHN S	W5DK	06082	* 2002 MILLBROOK	AL
ROBERTSON, MAURICE E	W9QEK	26840	2002 LEESBURG	FL
TAMMANY, CHESTER P	K1LII	21536	2002 RUMFORD	RI
SIEBER, HARRY F JR	NG3X	20984	2002 WRIGHTSVILLE	PA
CHAPLAN, S V	W9CIB	03804	2002 ELMHURST	IL
GEORGE, THOMAS A	K2CJ	05777	2002 CHENANCO FORKS	NY
BEAN, MONROE P	K1ANM	21391	2002 HOLLIS	ME
WARREN, ROBERT	K1POM	12385	2002 BARRINGTON	RI
SPORN, ROBERT	WA3GG0	24038	2002 SUNDERLAND	MD

Member Classified

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WANTED: Early Ham or Broadcast equipment (including homebrew). Any wireless, spark or crystal pieces. One piece or collection. TNX 73 Mike Bald WD5GLW 7637 S. Quebec PL Tulsa, OK 74136 918-492-7361 RadioMB@aol.com

Wanted: Yaesu accessories. FL 7000 amp, SP-6 loudspeaker, FIF-232c CAT system interface w/cable, MMB mobile mounting bracket, MD-1c8 desktop mike. Carlton Trotman, W3BRX, 1725 W. Godfrey Ave., #20, Philadelphia PA 19141. After 6:00 pm DST (215) 548-4494. E-mail W3BRX@aol.com

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For Office Use Only

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Date _____

First Licensed, Year _____

Deposit Record _____

Have you been previously enrolled in QCWA? _____

I, _____, _____
(Please Print Name Clearly) Present Callsign _____

having been licensed as an amateur 25 or more years ago and presently holding the call listed above (it is not necessary to have been licensed the entire 25 years) hereby apply for membership in QCWA. I understand that proof of the original date of licensing is required. My complete mailing address is:

Street Address _____ City _____ State _____ Zip _____
I will keep QCWA Headquarters advised of changes in my address and/or callsign. My first amateur license was issued _____ Other calls held _____
I wish to become affiliated with QCWA Chapter _____
Date of birth _____ Birthplace _____
Present occupation/business _____
If retired, what was major life work? _____
Other organizations you belong to _____
Your signature _____

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	Members	Family
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QCWA dues for a two-year period	\$35	_____
QCWA dues for a three-year period	\$50	\$12 _____
QCWA life membership	\$300	\$90 _____
Payable in 3 equal installments of \$105 each, in a one-year period	\$315	\$105 _____ (3 payments of \$35)

Initial registration fee, all new members - \$3

Gold membership pins are available, your call engraved, no year tags. Check type of fastener.

Tie tack _____, Screw button _____, Safety pin _____, ----- \$10 each _____
Year tag pins - 25, 30, 35, 40, 45, 50, 55, 60, 65, 70 or 75 (tie-tac only) - \$15 each _____

Total _____

Proposed by _____, **Callsign** _____, **No.** _____

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Name	Call	Final Score	
Address			
Chapter #	Novice (Yes/No)	QCWA (Yes/No)	QCWA Member #

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